Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

## **SAFETY DATA SHEET**



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

1.1 Product identifier				
Product name	Castrol POWER1 Scooter 4T 5W-40			
Product code 470877-BE02				
SDS #	470877			
Product type Liquid.				
1.2 Relevant identified uses	of the substance or mixture and uses advised against			
Use of the substance/ mixtureMotorcycle engine oil. For specific application advice see appropriate Technical Data Sheet or consult our consu				
1.3 Details of the supplier o	f the safety data sheet			
Supplier	Lubricants UK Limited, Chertsey Road, Sunbury On Thames, Middlesex, TW16 7BP			
	+44 (0)345 600 8125			
E-mail address	MSDSadvice@bp.com			

 1.4 Emergency telephone number

 EMERGENCY
 Carechem: +44 (0) 1235 239 670 (24/7)

 TELEPHONE NUMBER

#### **SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture Product definition Mixture <u>Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]</u>

Aquatic Chronic 3, H412

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

See sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.

#### 2.2 Label elements

Signal word	No signal word.		
Hazard statements H412 - Harmful to aquatic life with long lasting effects.			
Precautionary statements			
General	P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand.		
Prevention	P273 - Avoid release to the environment.		
Response	Not applicable.		
Storage	Not applicable.		
Disposal	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.		
Hazardous ingredients	Not applicable.		
Supplemental label elements	Not applicable.		
EU Regulation (EC) No. 1907	7/2006 (REACH)		

Product name Castrol POWER1 Scooter 4T 5W-40			Product code 470877-BE02		Page: 1/18	
Version 1	Date of issue	18 November 2024	Format	United Kingdom (UK)	Language	ENGLISH
Date of previo	ous issue	No previous validation.		(United Kingdo	om)	

## **SECTION 2: Hazards identification**

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable.
Special packaging requireme	ents
Containers to be fitted with child-resistant fastenings	Not applicable.
Tactile warning of danger	Not applicable.
2.3 Other hazards	
Results of PBT and vPvB assessment	Product does not meet the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII.
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	Defatting to the skin. USED ENGINE OILS Used engine oil may contain hazardous components which have the potential to cause skin cancer. See Toxicological Information, section 11 of this Safety Data Sheet.

## SECTION 3: Composition/information on ingredients

3.2 Mixtures

Product definition Mixture

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

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
Distillates (petroleum), hydrotreated heavy paraffinic	REACH #: 01-2119484627-25 UK (GB) REACH #: UK-01-1759217276-5 EC: 265-157-1 CAS: 64742-54-7 Index: 649-467-00-8	≥10 - ≤25	Asp. Tox. 1, H304	-	[1]
Distillates (petroleum), hydrotreated light paraffinic	REACH #: 01-2119487077-29 EC: 265-158-7 CAS: 64742-55-8 Index: 649-468-00-3	≤3	Asp. Tox. 1, H304	-	[1]
Distillates (petroleum), solvent- refined light paraffinic	REACH #: 01-2119487067-30 EC: 265-091-3 CAS: 64741-89-5 Index: 649-455-00-2	≤3	Asp. Tox. 1, H304	-	[1]
Distillates (petroleum), solvent- dewaxed heavy paraffinic	REACH #: 01-2119471299-27 UK (GB) REACH #: UK-01-0119695008-1 EC: 265-169-7 CAS: 64742-65-0 Index: 649-474-00-6	≤3	Asp. Tox. 1, H304	-	[1]
Distillates (petroleum), solvent- dewaxed light paraffinic		≤3	Asp. Tox. 1, H304	-	[1]
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol	REACH #: 01-2119510877-33 EC: 620-540-6 CAS: 1218787-32-6	<1	Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400	ATE [Oral] = 500 mg/ kg M [Acute] = 10 M [Chronic] = 1	[1]
Product name Castrol POWER	1 Scooter 4T 5W-40		Product code 470	0877-BE02 Page:	2/18
	18 November 2024 No previous validation.		Format United Kingdom (UK) (United Kingdom)	Language ENGL	ISH

## SECTION 3: Composition/information on ingredients

Aquatic Chronic 1, H410 See Section 16 for the full text of the H statements declared above.

[1] Substance classified with a health or environmental hazard

#### **SECTION 4: 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 recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly bef reuse. Get medical attention if irritation develops.				
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. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Get medical attention if symptoms occur.				
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.				

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

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

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.				
Delayed and immediate effects	<u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u>				
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.				

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

Notes to physician	Treatment should in general be symptomatic and directed to relieving any effects.			
SECTION 5: Firefighting measures				
5.1 Extinguishing media				
Suitable extinguishing media	Use foam or all-purpose dry chemical to extinguish.			
Unsuitable extinguishing media	Do not use water jet. The use of a water jet may cause the fire to spread by splashing the burning product.			

#### 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	Combustion products may include the following:
products	carbon oxides (CO, CO <sub>2</sub> ) (carbon monoxide, carbon dioxide)

5.3 Advice for firefighters	
Special precautions for fire-fighters	No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. This material is harmful to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

F	Product name Castrol POWER1 Scooter 4T 5W-40			Product code 470877-BE02		Page: 3/18	
N	/ersion 1	Date of issue	18 November 2024	Format	United Kingdom (UK)	Language	ENGLISH
	Date of previo	ous issue	No previous validation.		(United Kingdom)		

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SECTION 5: Firefighti	ing measures
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. 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.
<b>SECTION 6: Accident</b>	al release measures
6.1 Personal precautions, prot	tective equipment and emergency procedures
For non-emergency personnel	Contact 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 spilt material. Floors may be slippery; use care to avoid falling. Avoid breathing vapour or mist. Provide adequate ventilation. Put on appropriate personal protective equipment.
For emergency responders	Entry into a confined space or poorly ventilated area contaminated with vapour, mist or fume is extremely hazardous without the correct respiratory protective equipment and a safe system of work. Wear self-contained breathing apparatus. Wear a suitable chemical protective suit. Chemical resistant boots. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	Avoid dispersal of spilt 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). Water polluting material. May be harmful to the environment if released in large quantities.
6.3 Methods and material for c	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. Approach the release from upwind. 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. Contaminated absorbent material may pose the same hazard as the spilt product. 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**

7.1 Precautions for safe ha	ndling							
Protective measures	Put on appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid contact of spilt material and runoff with soil and surface waterways. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Empty containers retain product residue and can be hazardous.							
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. 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 a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store and use only in equipment/ containers designed for use with this product. 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	See section 1.2 and Exposure scenarios in annex, if applicable.							

Product name Castrol POWER1 Scooter 4T 5W-40 Page: 4/18 Product code 470877-BE02 Format United Language ENGLISH Version 1 Date of issue 18 November 2024 Kingdom (UK) (United Kingdom) Date of previous issue No previous validation.

#### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

#### **Occupational exposure limits**

No exposure limit value known.

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.

## 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.

#### **Derived No Effect Level**

Product/ingredient name	Туре	Expo	osure	Value	Population	Effects
Bis (2-hydroxyethyl) tallow alkylamine	DNEL	Long term Inhalation	-	2.96 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	-	0.3 mg/kg bw/ day	Workers	Systemic
	DNEL	Long term Inhalation	-	0.522 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	-	0.21 mg/kg bw/ day	General population	Systemic
	DNEL	Long term Oral	-	0.21 mg/kg bw/ day	General population	Systemic

#### Predicted No Effect Concentration

Product/ingredient name	Compartment Detail	Value	Method Detail
Bis (2-hydroxyethyl) tallow alkylamine	Fresh water	0.00021 mg/l	-
	Marine water	0.000021 mg/l	-
	Sewage Treatment Plant	1.5 mg/l	-
	Fresh water sediment	1.692 mg/kg dwt	-
	Marine water sediment	0.1692 mg/kg dwt	-
	Soil	5 mg/kg dwt	-

#### 8.2 Exposure controls

8.2 Exposure controls	
Appropriate engineering controls	<ul> <li>Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.</li> <li>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.</li> <li>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. 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.</li> </ul>
Individual protection measure	<u>es</u>
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. 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	

Product name Castrol	POWER1 Scooter 4T 5W-40	Product code 470877-BE02	Page: 5/18
Version 1 Date of	of issue 18 November 2024	Format United Langua Kingdom (UK)	ge ENGLISH
Date of previous iss	ue No previous validation.	(United Kingdom)	

•	controls/personal protection
Hand protection	General Information:
	Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. The correct choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Most gloves provide protection for only a limited time before they must be discarded and replaced (even the best chemically resistant gloves will break down after repeated chemical exposures).
	Gloves should be chosen in consultation with the supplier / manufacturer and taking account of a full assessment of the working conditions.
	Recommended: Nitrile gloves. Breakthrough time:
	Breakthrough time data are generated by glove manufacturers under laboratory test conditions and represent how long a glove can be expected to provide effective permeation resistance. It is important when following breakthrough time recommendations that actual workplace conditions are taken into account. Always consult with your glove supplier for up-to-date technical information on breakthrough times for the recommended glove type. Our recommendations on the selection of gloves are as follows:
	Continuous contact:
	Gloves with a minimum breakthrough time of 240 minutes, or >480 minutes if suitable gloves can be obtained. If suitable gloves are not available to offer that level of protection, gloves with shorter breakthrough times may be acceptable as long as appropriate glove maintenance and replacement regimes are determined and adhered to.
	Short-term / splash protection:
	Recommended breakthrough times as above. It is recognised that for short-term, transient exposures, gloves with shorter breakthrough times may commonly be used. Therefore, appropriate maintenance and replacement regimes must be determined and rigorously followed.
	Glove Thickness:
	For general applications, we recommend gloves with a thickness typically greater than 0.35 mm.
	It should be emphasised that glove thickness is not necessarily a good predictor of glove resistance to a specific chemical, as the permeation efficiency of the glove will be dependent on the exact composition of the glove material. Therefore, glove selection should also be based on consideration of the task requirements and knowledge of breakthrough times. Glove thickness may also vary depending on the glove manufacturer, the glove type and the glove model. Therefore, the manufacturers' technical data should always be taken into account to ensure selection of the most appropriate glove for the task.
	Note: Depending on the activity being conducted, gloves of varying thickness may be required for specific tasks. For example:
	• Thinner gloves (down to 0.1 mm or less) may be required where a high degree of manual dexterity is needed. However, these gloves are only likely to give short duration protection and would normally be just for single use applications, then disposed of.
	• Thicker gloves (up to 3 mm or more) may be required where there is a mechanical (as well as a chemical) risk i.e. where there is abrasion or puncture potential.
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.

Product name Castrol POWER1 Scooter 4T 5W-40			Product code 470877-	Page: 6/18		
Version 1	Date of issue	18 November 2024	Format	United Kingdom (UK)	Language	ENGLISH
Date of previo	ous issue	No previous validation.		(United Kingdom)		

## **SECTION 8: Exposure controls/personal protection**

Defer to standarda	Despiratory protoction, EN 500
<u>Refer to standards:</u>	Respiratory protection: EN 529
	Gloves: EN 420, EN 374
	Eye protection: EN 166
	Filtering half-mask: EN 149
	Filtering half-mask with valve: EN 405
	Half-mask: EN 140 plus filter
	Full-face mask: EN 136 plus filter
	Particulate filters: EN 143
	Gas/combined filters: EN 14387
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 **Physical state** Liquid. Colour Amber. [Light] Odour Not available. Not available. **Odour threshold** Not available. Melting point/freezing point Initial boiling point and boiling Not available. range Not available. Flammability Lower and upper explosion Not available. limit Closed cup: >180°C (>356°F) [Pensky-Martens ASTM D 93] **Flash point** Auto-ignition temperature Not available. Not available. **Decomposition temperature** Not applicable. рΗ **Kinematic viscosity** Kinematic: 88.67 mm<sup>2</sup>/s (88.67 cSt) at 40°C Kinematic: 13.7 to 14.9 mm<sup>2</sup>/s (13.7 to 14.9 cSt) at 100°C

#### Solubility

Media	Result	
water	Not soluble	
Not applicable.	·	

#### Partition coefficient n-octanol/ water (log value)

#### Va

Vapour pressure		Vapou	r Press	sure at 20°C	Vapo	our pres	sure at 50°C
	Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
	Distillates (petroleum), hydrotreated heavy paraffinic	<0.07501	<0.01	ASTM D 5191			
	Distillates (petroleum), hydrotreated heavy paraffinic	<0.07501	<0.01	ASTM D 5191			
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	<0.07501	<0.01	ASTM D 5191			
	Distillates (petroleum), hydrotreated light paraffinic	<0.07501	<0.01	ASTM D 5191			
	Distillates (petroleum), solvent-refined light paraffinic	<0.07501	<0.01	ASTM D 5191			
Density and/or Relative density	<1000 kg/m³ (<1 g/	cm³) at 20	)°C			•	
Relative vapour density	Not available.						
Particle characteristics							
Product name Castrol POWER1 Sco	ooter 4T 5W-40			Product	code 4	70877-BE	02 <b>Pag</b>

Product name	Castrol POWE	R1 Scooter 4T 5W-40		Product code 47087	7-BE02	Page: 7/18	
Version 1	Date of issue	18 November 2024	Format	United Kingdom (UK)	Language	ENGLISH	
Date of previo	ous issue	No previous validation.		(United Kingdom)			

## **SECTION 9: Physical and chemical properties**

Median particle size	Not applicable.
9.2 Other information	
Evaporation rate	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.
Pour point	-42 °C

## **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 hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Product/ingredient name	Result / Route		uthority / mber	Species	s Dose	Exposure	Remarks
Distillates (petroleum), hydrotreated heavy paraffinic	LC50 Inhalation Dusts and mists	OECD	403	Rat	>5 mg/l	4 hours	Based on studies with similar substances.
	LD50 Dermal	OECD	402	Rabbit	>5000 mg/kg	-	Based on studies with similar substances.
	LD50 Oral	OECD	401	Rat	>5000 mg/kg	-	Based on studies with similar substances.
Distillates (petroleum), hydrotreated light paraffinic	LC50 Inhalation Dusts and mists	OECD	403	Rat	>5.53 mg/l	4 hours	Based on studies with similar substances.
	LD50 Dermal	OECD	402	Rabbit	>5000 mg/kg	-	Based on studies with similar substances.
	LD50 Oral	OECD	401	Rat	>5000 mg/kg	-	Based on studies with similar substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	LC50 Inhalation Dusts and mists	OECD	403	Rat	>5.53 mg/l	4 hours	-
	LD50 Dermal	OECD	402	Rat	>2000 mg/kg	-	Based on studies with
Product name Castrol POW	ER1 Scooter 4T 5	N-40			Product code 470877	7-BE02	Page: 8/18
Version 1 Date of issue	ue 18 November 2 No previous val			Format	United Kingdom (UK) (United Kingdom)	Language	ENGLISH

ECTION 11: Toxi							similar substance
	LD50 Oral	OECD	401	Rat	>5000 mg/kg	-	Based on studies w similar substance
Distillates (petroleum), solvent-dewaxed light paraffinic	LC50 Inhalation Dusts and mists	OECD	403	Rat	>2.18 mg/l	4 hours	Based on studies w similar substanc
	LD50 Dermal	OECD	402	Rabbit	>5000 mg/kg	-	Based or studies w similar substanc
	LD50 Oral	OECD	401	Rat	>5000 mg/kg	-	Based on studies w similar substanc
Bis (2-hydroxyethyl) tallow alkylamine	LD50 Oral	OECD	401	Rat	1350 mg/kg	-	-

Product/ingredient	name C	Dral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	(vapours)	
Bis (2-hydroxyethyl) tallow alkylar	mine 5	00	N/A	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name		ority / Test mber	Species	Route / Result	Test concentration	Remarks	
Distillates (petroleum), hydrotreated heavy paraffinic	OECD	405	Rabbit	Eyes - Non- irritating to the eyes.	-	Based on studies with similar substances.	
	OECD	404	Rabbit	Skin - Mild irritant	-	Based on studies with similar substances.	
Distillates (petroleum), hydrotreated light paraffinic	OECD	405	Rabbit	Eyes - Non- irritating to the eyes.	-	Based on studies with similar substances.	
	-	-	Rabbit	Skin - Non-irritant to skin.	-	Based on studies with similar substances.	
Distillates (petroleum), solvent-dewaxed heavy paraffinic	OECD	405	Rabbit	Eyes - Non- irritating to the eyes.	-	Based on studies with similar substances.	
	-	-	Rabbit	Skin - Non-irritant to skin.	-	Based on studies with similar substances.	
Distillates (petroleum), solvent-dewaxed light paraffinic	OECD	405	Rabbit	Eyes - Non- irritating to the eyes.	-	Based on studies with similar substances.	
	-	-	Rabbit	Skin - Non-irritant to skin.	-	Based on studies with similar substances.	
Bis (2-hydroxyethyl) tallow alkylamine	OECD	404	Rabbit	Skin - Corrosive	-	-	

Product name	Castrol POWE	R1 Scooter 4T 5W-40		Product code 470877-	-BE02	Page: 9/18
Version 1	Date of issue	18 November 2024	Format	United Kingdom (UK)	Language	ENGLISH
Date of previo	ous issue	No previous validation.		(United Kingdom)		

## **SECTION 11: Toxicological information**

<u>Sensitiser</u>	ensitiser en se										
Product/ingredient name	Route		Test authority / Test number		Result	Remarks					
Distillates (petroleum), hydrotreated heavy paraffinic	skin	OECD	406	Guinea pig	Not sensitising	Based on studies with similar substances.					
Distillates (petroleum), hydrotreated light paraffinic	skin	OECD	406	Guinea pig	Not sensitising	Based on studies with similar substances.					
Distillates (petroleum), solvent-dewaxed heavy paraffinic	skin	OECD	406	Guinea pig	Not sensitising	Based on studies with similar substances.					
Distillates (petroleum), solvent-dewaxed light paraffinic	skin	OECD	406	Guinea pig	Not sensitising	Based on studies with similar substances.					
Bis (2-hydroxyethyl) tallow alkylamine	skin	OECD	406	Guinea pig	Not sensitising	-					

## GERM CELL MUTAGENICITY

Product/ingredient name	Test authority / Test number	Cell		Туре	Result	Remarks
Distillates (petroleum), hydrotreated heavy paraffinic	471 Bacterial Reverse Mutation Test	-	Experiment: In vitro	Subject: Bacteria	Negative	Based on studies with similar substances.
	473 In vitro Mammalian Chromosomal Aberration Test	-	Experiment: In vitro	Subject: Mammal - species unspecified	Negative	Based on studies with similar substances.
	476 In vitro Mammalian Cell Gene Mutation Test		Experiment: In vitro	Subject: Mammal - species unspecified	Negative	Based on studies with similar substances.
	474 Mammalian Erythrocyte Micronucleus Test		Experiment: In vivo	Subject: Mammal - species unspecified	Negative	Based on studies with similar substances.
Distillates (petroleum), hydrotreated light paraffinic	OECD 471 Bacterial Reverse Mutation Test		Experiment: In vitro	Subject: Bacteria	Negative	Based on studies with similar substances.
	OECD 473 In vitro Mammalian Chromosomal Aberration Test	-	Experiment: In vitro	Subject: Mammal - species unspecified	Negative	Based on studies with similar substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	OECD 471 Bacterial Reverse Mutation Test		Experiment: In vitro	Subject: Bacteria	Negative	Based on studies with similar substances.
	OECD 473 In vitro Mammalian Chromosomal Aberration Test		Experiment: In vitro	Subject: Mammal - species unspecified	Negative	Based on studies with similar substances.
Distillates (petroleum), solvent-dewaxed light paraffinic	OECD 471 Bacterial Reverse Mutation Test	-	Experiment: In vitro	Subject: Bacteria	Negative	Based on studies with similar substances.
	473 In vitro Mammalian	-	Experiment: In vitro	Subject: Mammal -	Negative	Based on studies with similar
Product name Castrol PC	WER1 Scooter 4T 5W	/-40		Product cod	e 470877-BE02	Page: 10/18
Version 1 Date of is	SSUE 18 November 20		Fo	ormat United Kingdom (UK) (United King		guage ENGLISH

## **SECTION 11: Toxicological information**

	Chromosomal Aberration Test	species unspecified			substances.
Bis (2-hydroxyethyl) tallow alkylamine	OECD 471 - Bacterial Reverse Mutation Test	Experiment: In vitro	Subject: Bacteria	Negative	-
	OECD 476 In - vitro Mammalian Cell Gene Mutation Test	Experiment: In vitro	Subject: Mammal - species unspecified	Negative	-
	OECD 473 In - vitro Mammalian Chromosomal Aberration Test	Experiment: In vitro	Subject: Mammalian- Human	Negative	-

**Carcinogenicity** 

Product/ingredient name	Test authority / Test number		Species	Route	Exposure	Result	Remarks
Distillates (petroleum), hydrotreated heavy paraffinic	OECD	451	Mouse	Dermal	-	Negative	Based on studies with similar substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	OECD	451	Mouse	Dermal	-	Negative	Based on studies with similar substances.

#### **Reproductive toxicity**

Product/ ingredient name	Test aut Test nu	-	Species	Route	Exposure	Developmental	Maternal toxicity	Fertility	Remarks
Distillates (petroleum), hydrotreated heavy paraffinic	OECD	421	Rat	Oral	-	Negative	Negative	Negative	Based on studies with similar substances.
Distillates (petroleum), hydrotreated light paraffinic	OECD	421	Rat	Oral	-	Negative	Negative	Negative	Based on studies with similar substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	OECD	421	Rat	Oral	-	Negative	Negative	Negative	Based on studies with similar substances.
Distillates (petroleum), solvent-dewaxed light paraffinic	OECD	421	Rat	Oral	-	Negative	Negative	Negative	Based on studies with similar substances.
Bis (2-hydroxyethyl) tallow alkylamine	OECD	422	Rat	Oral	-	Equivocal	Positive	Equivocal	-

**Aspiration hazard** 

Product/ingredient name	Result				
Distillates (petroleum), hydrotreated heavy paraffinic	ASPIRATION HAZARD - Category 1				
Distillates (petroleum), hydrotreated light paraffinic	ASPIRATION HAZARD - Category 1				
Distillates (petroleum), solvent-refined light paraffinic	ASPIRATION HAZARD - Category 1				
Distillates (petroleum), solvent-dewaxed heavy paraffinic	ASPIRATION HAZARD - Category 1				
Distillates (petroleum), solvent-dewaxed light paraffinic	ASPIRATION HAZARD - Category 1				
Conclusion/Summary Not classified. Based on available	able data, the classification criteria are not met.				
Conclusion/Summary Not available.					
Product name Castrol POWER1 Scooter 4T 5W-40	Product code 470877-BE02 Page: 11/18				
Version 1 Date of issue 18 November 2024	Format United Language ENGLISH Kingdom (UK)				
Date of previous issue No previous validation.	(United Kingdom)				

## **SECTION 11: Toxicological information**

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	efatting to the skin. May cause skin dryness and irritation.					
Eye contact	No known significant effects or critical hazards.					
Symptoms related to the physical, chemical and toxicological characteristics						
Inhalation	No specific data.					
Ingestion	No specific data.					
Skin contact	Adverse symptoms may include the following: irritation dryness cracking					
Eye contact	No specific data.					
Delayed and immediate effects	s 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 effect	<u>S</u>					
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.					

#### **11.2.1 Endocrine disrupting properties** Not available.

11.2.2 Other information

Not available.

## **SECTION 12: Ecological information**

12.1 Toxicity							
Product/ingredient name		uthority / number	Species	Type / Result	Exposure	Effects	Remarks
Distillates (petroleum), hydrotreated heavy paraffinic	OECD	201	Algae	Acute EL50 >100 m	g/l 72 hours	-	Based on studies with similar substances
	OECD	202	Daphnia	Acute EL50 >10000	mg/l 48 hours	-	Based on studies with similar substances
	OECD	203	Fish	Acute LL50 >100 m	g/l 96 hours	-	Based on studies with similar substances
Product name Castrol P	OWER1 Sco	oter 4T 5W-	-40	P	roduct code 470877	-BE02	Page: 12/18
Version 1 Date of	<b>issue</b> 18 No	vember 202	24		nited ingdom JK)	Language	ENGLISH
Date of previous issu	e No pro	evious valida	ation.	(L	Inited Kingdom)		

Conforms to Regulation	(EC) NO. 1	907/2006	(REACH), Ar	nnex II, as amended by Co	mmission R	egulation (EU	) 2020/878
SECTION 12: Eco	logical	inform	ation				
	OECD	201	Algae	Chronic NOEL ≥100 mg/l	72 hours	-	Based on data available for this or related materials.
	OECD	211	Daphnia	Chronic NOEL 10 mg/l	21 days	-	Based on studies with similar substances.
Distillates (petroleum), hydrotreated light paraffinic	OECD	201	Algae	Acute EL50 >100 mg/l	72 hours	-	Based on studies with similar substances.
	OECD	202	Daphnia	Acute EL50 >10000 mg/l	48 hours		Based on studies with similar substances.
	OECD	203	Fish	Acute LL50 >100 mg/l	96 hours	-	Based on studies with similar substances.
	OECD	201	Algae	Chronic NOEL ≥100 mg/l	72 hours	-	Based on studies with similar substances.
	OECD	211	Daphnia	Chronic NOEL 10 mg/l	21 days	-	Based on studies with similar substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	OECD	201	Algae	Acute EL50 >100 mg/l	72 hours	-	Based on studies with similar substances.
	OECD	202	Daphnia	Acute EL50 >10000 mg/l	48 hours	-	Based on studies with similar substances.
	OECD	203	Fish	Acute LL50 >100 mg/l	96 hours	-	Based on studies with similar substances.
	OECD	201	Algae	Chronic NOEL ≥100 mg/l	72 hours	-	Based on studies with similar substances.
	OECD	211	Daphnia	Chronic NOEL 10 mg/l	21 days	-	Based on studies with similar substances.
Product name Castrol PC	OWER1 Sco	oter 4T 5W	-40	Product	code 47087	7-BE02	Page: 13/18
	ssue 18 No			Format United Kingdon (UK)		Language	ENGLISH
Date of previous issue	No pre	evious valid	ation.	United	Kingdom)		

Conforms to Regulation SECTION 12: Ecc				nnex II, as amended by Co	mmission F	Regulation	(EU) 2020/878
Distillates (petroleum), solvent-dewaxed light paraffinic	OECD	201	Algae	Acute EL50 >100 mg/l	72 hours	-	Based on studies with similar substances.
	OECD	202	Daphnia	Acute EL50 >10000 mg/l	48 hours	-	Based on studies with similar substances.
	OECD	203	Fish	Acute LL50 >100 mg/l	96 hours	-	Based on studies with similar substances.
	OECD	201	Algae	Chronic NOEL ≥100 mg/l	72 hours	-	Based on studies with similar substances.
	OECD	211	Daphnia	Chronic NOEL 10 mg/l	21 days	-	Based on studies with similar substances.
Bis (2-hydroxyethyl) tallow alkylamine	OECD	201	Algae	Acute EC50 0.0538 mg/l	72 hours	-	-
	OECD	202	Daphnia	Acute EC50 0.043 mg/l	48 hours	-	-
	OECD	203	Fish	Acute LC50 0.1 mg/l	96 hours	-	-
	OECD	201	Algae	Chronic EC10 0.0156 mg/ I	72 hours	-	-
	OECD	211	Daphnia	Chronic EC10 0.0107 mg/ I	21 days	-	-

**Environmental hazards** 

Harmful to aquatic life with long lasting effects.

#### 12.2 Persistence and degradability

#### Not expected to be rapidly degradable.

Product/ingredient name	Test authority / Test number	Result - Exposure	Remarks
Distillates (petroleum), hydrotreated heavy paraffinic	OECD 301F	31 % - Not readily - 28 days	Based on studies with similar substances.
Distillates (petroleum), hydrotreated light paraffinic	OECD 301F	31 % - Not readily - 28 days	Based on studies with similar substances.
Distillates (petroleum), solvent- dewaxed heavy paraffinic	OECD 301F	31 % - Not readily - 28 days	Based on studies with similar substances.
Distillates (petroleum), solvent- dewaxed light paraffinic	OECD 301F	31 % - Not readily - 28 days	Based on studies with similar substances.
Bis (2-hydroxyethyl) tallow alkylamine	OECD 301D	61 to 65 % - Readily - 28 days	-

#### 12.3 Bioaccumulative potential

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

Product name	Castrol POWEF	R1 Scooter 4T 5W-40		Product code 470877	-BE02	Page: 14/18
Version 1	Date of issue	18 November 2024	Format	United Kingdom (UK)	Language	ENGLISH
Date of previo	ous issue	No previous validation.		(United Kingdom)		

#### Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

### **SECTION 12: Ecological information**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol	3.6	-	Low

# 12.4 Mobility in soil Soil/water partition Soil/water partition Not available. coefficient (Koc) Spillages may penetrate the soil causing ground water contamination.

#### 12.5 Results of PBT and vPvB assessment

Product does not meet the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII.

12.7 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.
12.6 Endocrine disrupting properties	Not available.

## **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product	
Methods of disposal	Where possible, arrange for product to be recycled. Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.
Hazardous waste	Yes.
European waste catalogue	<u>e (EWC)</u>

## Waste code Waste designation 13 02 05\* mineral-based non-chlorinated engine, gear and lubricating oils However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste

However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user.

#### Packaging

Methods of disposalWhere possible, arrange for product to be recycled. Dispose of via an authorised person/<br/>licensed waste disposal contractor in accordance with local regulations.Special precautionsThis material and its container must be disposed of in a safe way. Care should be taken when<br/>handling emptied containers that have not been cleaned or rinsed out. Empty containers or<br/>liners may retain some product residues. Empty containers represent a fire hazard as they may<br/>contain flammable product residues and vapour. Never weld, solder or braze empty containers.<br/>Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.ReferencesCommission 2014/955/EU<br/>Directive 2008/98/EC

## **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID 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.
Product name Cas	trol POWER1 Scooter 4T 5W-40		Product code 470877-BE	02 Page: 15/18
Version 1 Da	te of issue 18 November 2024 issue No previous validation.	Format	United L Kingdom (UK) (United Kingdom)	anguage ENGLISH

SECTION 14: Transp	ort information	Ì		
Additional - information		-	-	-
14.6 Special precautions for user	Not available.			
14.7 Maritime transport in bulk according to IMO instruments	Not available.			
SECTION 15: Regula	atory informatio	n		
15.1 Safety, health and envir EU Regulation (EC) No. 190 Annex XIV - List of substa Annex XIV	07/2006 (REACH) nces subject to autho	-	pecific for the substa	nce or mixture
None of the components a Substances of very high				
None of the components				
•		placing on th	ne market and use of	<u>certain dangerous substances,</u>
Product/ingredient nam	e	%	Designation [Usage	9]
Castrol Power RS Scoot Parent cyclohexane	er 4T 5W-40 (Gent)	95-100 <0.01	3 57 [Neoprene-based	contact adhesive]
Labelling	Not applicable.			-
Other regulations				
REACH Status	The company, as current requirement	dentified in Sents of REACH	ection 1, sells this prod	uct in the EU in compliance with the
United States inventory (TSCA 8b)	All components ar			
Australia inventory (AIIC)	All components ar		-	
Canada inventory	All components ar		-	
China inventory (IECSC)	All components ar All components ar		•	
Japan inventory (CSCL) Korea inventory (KECI)	All components ar		-	
Philippines inventory (PICCS)	All components ar		-	
Taiwan Chemical Substances Inventory (TCSI)	All components ar	e listed or exe	mpted.	
Explosive precursors Ozone depleting substance Not listed.	Not applicable. ces (1005/2009/EU)			
Prior Informed Consent (P Not listed.	<u>PIC) (649/2012/EU)</u>			
Persistent Organic Polluta Not listed.	<u>ants</u>			
EU - Water framework dire None of the components are Seveso Directive		ances		
This product is not controlled	under the Seveso Dire	ective.		

Product name (	Castrol POWER	R1 Scooter 4T 5W-40		Product code 470877-	BE02	Page: 16/18	
Version 1	Date of issue	18 November 2024	Format	United Kingdom (UK)	Language	ENGLISH	
Date of previo	ous issue	No previous validation.		(United Kingdom)			

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

## **SECTION 15: Regulatory information**

15.2 Chemical safety	A Chemical Safety Assessment has been carried out for one or more of the substances within
assessment	this mixture. A Chemical Safety Assessment has not been carried out for the mixture itself.

## **SECTION 16: Other information**

Abbreviations and acronyms	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
	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
	CSA = Chemical Safety Assessment
	CSR = Chemical Safety Report
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No Effect Level
	EINECS = European Inventory of Existing Commercial chemical Substances
	ES = Exposure Scenario
	EUH statement = CLP-specific Hazard statement
	EWC = European Waste Catalogue
	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
	PNEC = Predicted No Effect Concentration
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation
	[Regulation (EC) No. 1907/2006]
	RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
	RRN = REACH Registration Number
	SADT = Self-Accelerating Decomposition Temperature
	SVHC = Substances of Very High Concern
	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 / RRN 01-2119488706-23,
	64741-89-5 / RRN 01-2119487067-30, 64741-95-3 / RRN 01-2119487081-40, 64741-96-4/ RRN
	01-2119483621-38, 64742-01-4 / RRN 01-2119488707-21, 64742-44-5 / RRN
	01-2119985177-24, 64742-45-6, 64742-52-5 / RRN 01-2119467170-45, 64742-53-6 / RRN
	01-2119480375-34, 64742-54-7 / RRN 01-2119484627-25, 64742-55-8 / RRN 01-2119487077-29, 64742-56 9 / RRN 01-2119480132-48, 64742-57 0 / RRN
	01-2119487077-29, 64742-56-9 / RRN 01-2119480132-48, 64742-57-0 / RRN 01-2119480287 22, 64742 58 1, 64742 62 7 / PRN 01-2119480472 38, 64742 63 8
	01-2119489287-22, 64742-58-1, 64742-62-7 / RRN 01-2119480472-38, 64742-63-8, 64742-65-0 / RRN 01-2119471299-27, 64742-70-7 / RRN 01-2119487080-42, 72623-85-9 /
	RRN 01-2119555262-43, 72623-86-0 / RRN 01-2119474878-16, 72623-87-1 / RRN
	01-2119474889-13
Due and the stand the short set the s	
roceaure usea to derive the c	classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
<b>O</b> 1 10	

Classif	ication	Justification				
Aquatic Chronic 3, H412		Calculation method				
Full text of abbreviated H	H225	Highly flammable liquid and vapour.				
statements	H301	Toxic if swallowed.				
	H302	Harmful if swallowed.				
	H304	May be fatal if swallowed and enters airways.				
	H311	Toxic in contact with skin.				
	H314 Causes severe skin burns and eye damage.					
	H315	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.				
	H317					
	H318					
	H319	Causes serious eye irritation.				
Product name Castrol POWER1 Scooter 4T 5W-40		Product code 470877-BE02 Page: 17/18				
Version 1 Date of issu	e 18 November 2024	Format United Language ENGLISH Kingdom (UK)				
Date of previous issue	No previous validation.	(United Kingdom)				

<b>SECTION 16: Other i</b>	information	
	H331	Toxic if inhaled.
	H332	Harmful if inhaled.
	H335	May cause respiratory irritation.
	H336	May cause drowsiness or dizziness.
	H340	May cause genetic defects.
	H350	May cause cancer.
	H351	Suspected of causing cancer.
	H360FD	May damage fertility. May damage the unborn child.
	H362	May cause harm to breast-fed children.
	H372	Causes damage to organs through prolonged or repeated exposure.
	H373	May cause damage to organs through prolonged or repeated exposure.
	H400	Very toxic to aquatic life.
	H410	Very toxic to aquatic life with long lasting effects.
	H412	Harmful to aquatic life with long lasting effects.
Full text of classifications	Acute Tox. 3	ACUTE TOXICITY - Category 3
CLP/GHS]	Acute Tox. 4	ACUTE TOXICITY - Category 4
	Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
	Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
	Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
	Asp. Tox. 1	ASPIRATION HAZARD - Category 1
	Carc. 1A	CARCINOGENICITY - Category 1A
	Carc. 2	CARCINOGENICITY - Category 2
	Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
	Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
	Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
	Lact.	REPRODUCTIVE TOXICITY - Effects on or via lactation
	Muta. 1B	GERM CELL MUTAGENICITY - Category 1B
	Repr. 1A	REPRODUCTIVE TOXICITY - Category 1A
	Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C
	Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
	Skin Sens. 1	SKIN SENSITISATION - Category 1
	STOT RE 1	SPECIFIC TARGET ORGAN TOXICITY - REPEATED
		EXPOSURE - Category 1
	STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED
		EXPOSURE - Category 2
	STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE Category 3
<u>listory</u>		
Date of issue/ Date of revision	18/11/2024.	
Date of previous issue	No previous validation.	
Prepared by	Product Stewardship Group	
_ ` `	has changed from proviously	

#### ✓ Indicates information that has changed from previously issued version.

#### Notice to reader

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ſ	Product name Castrol POWER1 Scooter 4T 5W-40			Product code 470877-BE02		Page: 18/18	
	Version 1	Date of issue	18 November 2024	Format	United Kingdom (UK)	Language	ENGLISH
	Date of previous issue No previous validation.			(United Kingdom)			