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
Product code
SDS #
Product type

Castrol POWER1 Scooter 4T 5W-40 465169-BE02 465169 Liquid.

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

	Identified uses
	nd greases in vehicles or machinery-Industrial nd greases in vehicles or machinery-Professional
Use of the substance/ mixture	Motorcycle engine oil. For specific application advice see appropriate Technical Data Sheet or consult our company representative.
I.3 Details of the supplier of	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 n	umber
EMERGENCY TELEPHONE NUMBER	Carechem: +44 (0) 1235 239 670 (24/7)
SECTION 2: Hazards	s 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 wordNo signal word.Hazard statementsH412 - Harmful to aquatic life with long lasting effects.GeneralP102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand.PreventionP273 - Avoid release to the environment.ResponseNot applicable.StorageNot applicable.DisposalP501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.Hazardous ingredientsNot applicable.Supplemental label elementsNot applicable.EU Regulation (EC) No. 1907/2006 (REACH)Not applicable.		
GeneralP102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand.PreventionP273 - Avoid release to the environment.ResponseNot applicable.StorageNot applicable.DisposalP501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.Hazardous ingredientsNot applicable.Supplemental label elementsNot applicable.	Signal word	No signal word.
PreventionP101 - If medical advice is needed, have product container or label at hand.PreventionP273 - Avoid release to the environment.ResponseNot applicable.StorageNot applicable.DisposalP501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.Hazardous ingredientsNot applicable.Supplemental label elementsNot applicable.	Hazard statements	H412 - Harmful to aquatic life with long lasting effects.
ResponseNot applicable.StorageNot applicable.DisposalP501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.Hazardous ingredientsNot applicable.Supplemental label elementsNot applicable.	General	I
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.	Prevention	P273 - Avoid release to the environment.
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.	Response	Not applicable.
international regulations. Hazardous ingredients Supplemental label elements Not applicable.	Storage	Not applicable.
Supplemental label Not applicable. elements	Disposal	
elements	Hazardous ingredients	Not applicable.
EU Regulation (EC) No. 1907/2006 (REACH)		Not applicable.
	EU Regulation (EC) No. 190	7/2006 (REACH)

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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	<u>nts</u>
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		≤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 Aquatic Chronic 1, H410	ATE [Oral] = 500 m kg M [Acute] = 10 M [Chronic] = 1	g/ [1]
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SECTION 3: Composition/information on ingredients

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

4.1 Description of first aid meas	sures
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 before 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

Date of previous issue

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	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.

4.3 Indication of any immediate medical attention and special treatment needed

No previous validation.

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

SECTION 5: Firefight	ing measures					
5.1 Extinguishing media						
Suitable extinguishing media	Use foam or all-purpose dry chemica	al to exti	nguish.			
Unsuitable extinguishing media	Do not use water jet. The use of a w burning product.	ater jet	may cause the	fire to spr	ead by spla	ashing the
5.2 Special hazards arising fro	om the substance or mixture					
Hazards from the substance or mixture	In a fire or if heated, a pressure incre	ease will	occur and the	container	may burst.	
Hazardous combustion products	Combustion products may include the following: carbon oxides (CO, CO ₂) (carbon monoxide, carbon dioxide)					
5.3 Advice for firefighters						
Special precautions for fire-fighters	No action shall be taken involving an isolate the scene by removing all per material is harmful to aquatic organis contained and prevented from being	sons fro ms. Fir	om the vicinity c e water contan	of the incio ninated wi	lent if there th this mate	is a fire. This rial must be
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate apparatus (SCBA) with a full face-pie fighters (including helmets, protective 469 will provide a basic level of prote	ece oper e boots	ated in positive and gloves) co	e pressure nforming t	mode. Clo	othing for fire-
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SECTION 6: Accidental release measures

6.1 Personal precautions, pro	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	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

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

7.1 Precautions for safe har	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.

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SECTION 8: Exposure controls/personal protection

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

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	Exposure		Value	Population	Effects	
Bis (2-hydroxyethyl) tallow alkylamine	DNEL	Long term Inhalation	-	2.96 mg/m ³	Workers	Systemic	
	DNEL	Long term Dermal	-	0.3 mg/kg bw/ day	Workers	Systemic	
	DNEL	Long term Inhalation	-	0.522 mg/m ³	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 Sewage Treatment Plant	0.000021 mg/l	-
	Fresh water sediment	1.692 mg/kg dwt	-
	Marine water sediment Soil	0.1692 mg/kg dwt 5 mg/kg dwt	-

8.2 Exposure controls	
Appropriate engineering controls	Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. 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. The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.
Individual protection measures	<u>5</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	

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•	ire 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.

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SECTION 8: Exposure controls/personal protection

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Refer to standards:	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

10.3 Possibility of

hazardous reactions

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

9.1 Information on basic physica	al and chemical prope	erties					
Physical state	Liquid.						
Colour	Amber. [Light]						
Odour	Not available.						
Odour threshold	Not available.						
Melting point/freezing point	Not available.						
Initial boiling point and boiling range	Not available.						
Flammability	Not available.						
Lower and upper explosion limit	Not available.						
Flash point	Closed cup: >180°	°C (>356°F) [Pensky-N	lartens]				
Auto-ignition temperature	Not available.						
Decomposition temperature	Not available.						
рН	Not applicable.						
Kinematic viscosity		mm²/s (88.21 cSt) at 40 14.9 mm²/s (13.7 to 14					
Solubility							
	Media	Result					
	water	Not soluble					
Partition coefficient n-octanol/ water (log value)	Not applicable.						
Vapour pressure	>0.01 kPa						
Density and/or Relative density	<1000 kg/m³ (<1 g	J/cm³) at 15°C					
Relative vapour density	Not available.						
Particle characteristics							
Median particle size	Not applicable.						
9.2 Other information							
Evaporation rate	Not available.						
Explosive properties	Not available.						
Oxidising properties	Not available.						
Pour point	-36 °C						
SECTION 10: Stability a	and reactivity						
10.1 Reactivity	No specific test data a materials for additiona		ct. Refer to Conditions to avoid and Incompa	atible			
10.2 Chemical stability	The product is stable.						
40.0 Describility of	I have been a second second like a		h				

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

SECTION 10: Stability and reactivity

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
 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 similar substances.
	LD50 Oral	OECD	401	Rat	>5000 mg/kg	-	Based on studies with similar substances.
Distillates (petroleum), solvent-dewaxed light paraffinic	LC50 Inhalation Dusts and mists	OECD	403	Rat	>2.18 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
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							:	studies with similar substances
Bis (2-hydroxyethyl) tallow alkylamine	LD50 Oral	OECD	401 I	Rat	1350 mg/ł	kg -		-
Acute toxicity estimat	<u>es</u>							
Product/ii	ngredient name		Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)	
Bis (2-hydroxyethyl) tal	low alkylamine		500	N/A	N/A	N/A	N/A	

Irritation/Corrosion

Product/ingredient name	Test autho num		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	-	-

Sensitiser

Product/ingredient name	Route		ority / Test mber	Species	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.
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Bis (2-hydroxyethyl) skin OECD 406 Guinea pig Not sensitising tallow alkylamine

ERM CELL MUTAGENICITY									
Product/ingredient name	Test authority Test number			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 Chromosomal Aberration Test	-	Experiment: In vitro	Subject: Mammal - species unspecified	Negative	Based on studies with similar 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 name	Castrol POWE	R1 Scooter 4T 5W-40	Product code 465169	Page: 10/18		
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Product/ingredient name		ority / Test mber	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 au Test n		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/i	ngredient name	Result					
Distillates (petroleum), hyd	rotreated heavy paraffinic	ASPIRATION HAZARD - Category 1					
Distillates (petroleum), hyd	rotreated light paraffinic	ASPIRATION HAZARD - Category 1					
Distillates (petroleum), solv	ent-refined light paraffinic	ASPIRATION HAZARD - Category 1					
Distillates (petroleum), solv	ent-dewaxed heavy paraffinic	ASPIRATION HAZARD - Category 1					
Distillates (petroleum), solv	ent-dewaxed light paraffinic	ASPIRATION HAZARD - Category 1					
Conclusion/Summary	Not classified. Based on avail	able data, the classification criteria are not met.					
Conclusion/Summary	Not available.						
Information on likely routes of exposure	Routes of entry anticipated: Or	al, Dermal, Inhalation, Eyes.					
Potential acute health effect	<u>ets</u>						
Inhalation	Vapour inhalation under ambie pressure.	nt conditions is not normally a problem due to low vapour					
Ingestion	No known significant effects or	⁻ critical hazards.					
Skin contact	Defatting to the skin. May cause	se skin dryness and irritation.					
Eye contact	No known significant effects or	critical hazards.					
Symptoms related to the pl	nysical, chemical and toxicologic	al characteristics					
Inhalation	No specific data.						
Ingestion	No specific data.						
Skin contact	Adverse symptoms may includ irritation dryness cracking	e the following:					
Product name Castrol POWE	R1 Scooter 4T 5W-40	Product code 465169-BE02 Page: 11/18					
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Eye contact	No specific data.
Delayed and immediate effe	ects 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 eff	ects
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 Information on other 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		ithority / number	Species	Type / Result	Exposure	Effects	Remarks
Distillates (petroleum), hydrotreated heavy paraffinic	OECD	201	Algae	Acute EL50 >100 mg/	/l 72 hours	-	Based on studies with similar substances
	OECD	202	Daphnia	Acute EL50 >10000 n	ng/l 48 hours	-	Based on studies with similar substances
	OECD	203	Fish	Acute LL50 >100 mg/	I 96 hours	-	Based on studies with similar substances
	OECD	201	Algae	Chronic NOEL ≥100 r	ng/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/	/I 72 hours	-	Based on studies with similar substances
Product name Castrol PC	OWER1 Sco	oter 4T 5W-	40	Pro	duct code 465169	-BE02	Page: 12/18
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	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
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
Product name Castrol PC	OWER1 Sco	oter 4T 5W	/-40	Product	code 46516	9-BE02	Page: 13/18
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Conforms to Regulation	า (EC) No. 1	907/2006 ((REACH), Ar	nnex II, as amended by Co	mmission I	Regulation	(EU) 2020/878
SECTION 12: Eco	ological	informa	ation				
	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	-	-

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Environmental hazards

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

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4007/0000 (DE

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/ingredient name	LogPow	BCF	Potential
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol	3.6	-	Low

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	Not available.
Mobility	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.

12.6 Endocrine disrupting properties	Not available.				
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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

SECTION 12: Ecological information

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

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

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

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. Yes.

Hazardous waste

European waste catalogue (EWC)

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 disposal code to be assigned by the end user.

Packaging

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.
Special precautions	This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Empty containers represent a fire hazard as they may contain flammable product residues and vapour. Never weld, solder or braze empty containers. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
References	Commission 2014/955/EU 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.
Additional information	-	-	-	-

14.6 Special precautions for Not available. user

14.7 Maritime transport in No bulk according to IMO instruments

Not available.

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

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

Product/ingredient name		%	Designation [Usage]		
Castrol POWER1 Scooter 4T 5W-40 cyclohexane		95-100 <0.01	3 57 [Neoprene-based contact adhesive]		
Labelling	Not applicable.				
Other regulations					
REACH Status		The company, as identified in Section 1, sells this product in the EU in compliance with the current requirements of REACH.			
United States inventory (TSCA 8b)	All components a	All components are active or exempted.			
Australia inventory (AIIC)	All components a	re listed or e	xempted.		
Canada inventory	All components a	re listed or e	xempted.		
China inventory (IECSC)	All components a	re listed or e	xempted.		
Japan inventory (CSCL)	All components a	re listed or e	xempted.		
Korea inventory (KECI)	All components a	re listed or e	xempted.		
Philippines inventory (PICCS)	All components a	re listed or e	xempted.		
Taiwan Chemical Substances Inventory (TCSI)	All components a	All components are listed or exempted.			
Explosive precursors	Not applicable.				
Ozone depleting substance Not listed.	<u>s (1005/2009/EU)</u>				
Prior Informed Consent (PIC Not listed.	<u>C) (649/2012/EU)</u>				
Persistent Organic Pollutan Not listed.	<u>its</u>				
EU - Water framework direct None of the components are Seveso Directive This product is not controlled u	listed.				
This product is not controlled u	Inder the Seveso Dire	ective.			

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 Internal Inland Waterway ADR = The European Agreement concerning the Internal Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor CAS = Chemical Abstracts Service CLP = Classification, Labelling and Packaging Reg CSA = Chemical Safety Assessment CSR = Chemical Safety Report DMEL = Derived Minimal Effect Level			the Internationa	al Carriage of Dange	rous Goods by
	, i	el			
Product name Castrol POWER	DMEL = Derived Minimal Effect Leve	el	Product code	465169-BE02	Page: 16/18

SECTION 16: Other information

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
01-2119489287-22, 64742-58-1, 64742-62-7 / RRN 01-2119480472-38, 64742-63-8, 64742-65-8, 64746-8, 6476-8, 64746-8, 64746-8, 6476-8, 6476-8, 64766-8, 64766-8
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

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification		Justi	Justification				
Aquatic Chronic 3, H412		Calculation method	Calculation method				
Full text of abbreviated H	H225	Highly flammable liquid and vapo	our.				
statements	H301	Toxic if swallowed.					
	H302	Harmful if swallowed.					
	H304	May be fatal if swallowed and en	ters airways.				
	H311	Toxic in contact with skin.	•				
	H314	Causes severe skin burns and eye damage.					
	H315	Causes skin irritation.					
	H317	May cause an allergic skin reaction.					
	H318	Causes serious eye damage.					
	H319	Causes serious eye irritation.					
	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 damag	e the unborn child	1.			
	H362	May cause harm to breast-fed ch					
	H372	Causes damage to organs throug exposure.		peated			
	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.				
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				(UK)		
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SECTION 16: Other information

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>History</u>		
Date of issue/ Date of revision	01/12/2024.	
Date of previous issue	No previous validation.	

Prepared by Product Stewardship Group

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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	Date of previous issue		No previous validation.		(United Kingdom)		