

1. Identification of the substance/preparation and of the company/undertaking

Product name	Castrol Motorcycle DWF
SDS #	450590
Product use	Rust preventive For specific application advice see appropriate Technical Data Sheet or consult our company representative.
Supplier	Castrol (UK) Ltd Wakefield House Pipers Way Swindon Wiltshire SN3 1RE
EMERGENCY TELEPHONE NUMBER	Carechem: +44 (0) 208 762 8322 (24 hours)

2. Composition/information on ingredients

Hydrocarbon. Butane Propane Corrosion inhibitor.

Chemical name	CAS no.	%	EINECS / ELINCS.	Classification
Alkanes, C9-12-iso	90622-57-4	50 - 100	292-459-0	Xn; R65 R66
2-(2-Butoxyethoxy)ethanol	112-34-5	1 - 5	203-961-6	Xi; R36

See section 16 for the full text of the R Phrases declared above

Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

This preparation is classified as dangerous according to Directive 1999/45/EC as amended and adapted.

Physical/chemical hazards	Extremely flammable.
Human health hazards	Repeated exposure may cause skin dryness or cracking. Solvent "sniffing" (abuse) or intentional overexposure to vapours can produce serious central nervous system effects, including unconsciousness, and possibly death.
Environmental hazards	Unlikely to be harmful to aquatic organisms.
Effects and symptoms	
Eyes	No significant health hazards identified.
Skin	Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.
Inhalation	Exposure to high concentrations can cause dizziness, lightheadedness, headache, nausea and blurred vision. Higher levels may cause unconsciousness.
Ingestion	No significant health hazards identified.

4. First aid measures

Eye Contact	In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin contact	In case of contact, immediately flush skin with plenty of water. 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 appear.
Ingestion	Poisoning very unlikely unless deliberate ingestion of large quantities has occurred. If large quantities of this material are swallowed, call a physician immediately. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
Notes to physician	Treatment should in general be symptomatic and directed to relieving any effects.

5 . Fire-fighting measures

Extinguishing Media

Suitable In case of fire, use water fog, foam, dry chemical or carbon dioxide extinguisher or spray.

Not Suitable Do not use water jet.

Unusual fire/explosion Hazards Extremely explosive in presence of heat

Special Fire-Fighting Procedures Use water spray to keep fire-exposed containers cool.

Protection of fire-fighters Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6 . Accidental release measures

Personal Precautions Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).

Environmental precautions and clean-up methods If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information.

Personal protection in case of a large spill Splash goggles. Full suit. Boots. Gloves.

7 . Handling and storage

Handling Wash thoroughly after handling. Avoid contact with skin and eyes. Do not spray on a naked flame or any incandescent material. Do not smoke or use matches or lighters during use and until all vapours (odours) are gone. Product contaminated rags, paper or material used to absorb spillages, represent a fire hazard, and should not be allowed to accumulate. Dispose of safely immediately after use.

Storage Store and use away from heat, sparks, open flame, or any other ignition source. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Pressurized container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use.

8 . Exposure controls/personal protection

Ingredient name

Alkanes, C9-12-iso

Propane

Butane

Occupational exposure limits

EH40-OES (United Kingdom (UK)).

TWA: 1200 mg/m³ 8 hour(s).

ACGIH TLV (United States, 2/2003).

TWA: 2500 ppm 8 hour(s). Form: All forms

EH40-OES (United Kingdom (UK), 12/2002).

STEL: 1810 mg/m³ 15 minute(s).

STEL: 750 ppm 15 minute(s).

TWA: 1450 mg/m³ 8 hour(s).

TWA: 600 ppm 8 hour(s).

Control Measures

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Hygiene measures

Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Personal protective equipment

Respiratory system

None required; however, use of adequate ventilation is good industrial practice.

Skin and body

None required; however, use of protective clothing is good industrial practice.

Hands

None required; however, use of gloves is good industrial practice.

Eyes

Safety glasses with side shields.

9 . Physical and chemical properties

Flash point	<0 °C (Closed cup)
Explosion limits	Lower: 0.5 % Upper: 10.9 %
Colour	Brown. (Light.)
Odour	Characteristic.
Physical state	Liquid.
Density	772 kg/m ³ (0.772 g/cm ³) at 20°C
Solubility	Insoluble in water.
LogK _{ow}	The product is more soluble in octanol; log(octanol/water) >3

10 . Stability and reactivity

Conditions to Avoid	Extremely flammable. Keep away from sources of ignition.
Incompatibility with various substances	Reactive with oxidising agents.
Hazardous polymerization	Will not occur.

11 . Toxicological information

Acute toxicity	Unlikely to cause more than transient stinging or redness if accidental eye contact occurs. Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis. Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea. Exposure to high concentrations can cause dizziness, lightheadedness, headache, nausea and blurred vision. Higher levels may cause unconsciousness. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.
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Chronic toxicity

Carcinogenic effects	No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC) or the European Commission (EC).
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12 . Ecological information


Persistence/degradability	Inherently biodegradable.
Mobility	Spillages may penetrate the soil causing ground water contamination.
Bioaccumulative potential	This product is not expected to bioaccumulate through food chains in the environment.
Environmental hazards	Unlikely to be harmful to aquatic organisms.
Other ecological information	Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

13 . Disposal considerations

Disposal Consideration / Waste information	Pressurized container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.
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14 . Transport information

International transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Classification	1950	AEROSOLS, flammable (Butane, Propane)	2.1			Hazard identification number 23 UK Emergency Action Code: Not available.

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Format United Kingdom (UK)

Language ENGLISH

Build 6.2.5

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IMDG Classification	1950	AEROSOLS, flammable (Butane, Propane)	2.1			-
IATA Classification	1950	AEROSOLS, flammable (Butane, Propane)	2.1			-

15 . Regulatory information

Label Requirements

Hazard symbol(s)



Indication of Danger

Extremely flammable.

Risk Phrases

R12- Extremely flammable.
R66- Repeated exposure may cause skin dryness or cracking.

Safety Phrases

S23- Do not breathe gas/fumes/vapour/spray
S24- Avoid contact with skin.
S51- Use only in well-ventilated areas.

EU Regulations

Classification and labelling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted.

Other regulations

Inventories

AUSTRALIAN INVENTORY (AICS): In compliance.

CANADA INVENTORY (DSL): In compliance.

CHINA INVENTORY (IECS): In compliance.

EC INVENTORY (EINECS/ELINCS): In compliance.

JAPAN INVENTORY (ENCS): Not determined.

KOREA INVENTORY (ECL): In compliance.

PHILIPPINE INVENTORY (PICCS): In compliance.

US INVENTORY (TSCA): Not determined.

Additional warning phrases

Pressurized container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition. - Do not smoke.

16 . Other information

Full text of R phrases referred to in sections 2 and 3

R12- Extremely flammable.
R65- Harmful: may cause lung damage if swallowed.
R36- Irritating to eyes.
R66- Repeated exposure may cause skin dryness or cracking.

History

Date of issue

21/06/2004.

Date of previous issue

18/06/2004.

Prepared by

Product Stewardship Group

Notice to reader

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

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

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