

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

Product name	Castrol Red Rubber Grease
SDS #	452337
Product Use	Grease for industrial applications For specific application advice see appropriate Technical Data Sheet or consult your Castrol representative.
Supplier	Castrol (UK) Ltd Wakefield House Pipers Way Swindon Wiltshire SN3 1RE
EMERGENCY TELEPHONE NUMBER	+44 (0)1793 512712

2. Composition/information on ingredients

Vegetable oil Clay. Proprietary performance additives

Chemical name	CAS no.	%	EINECS / ELINCS.	Classification
triethylene glycol monobutyl ether	143-22-6	1 - 5	205-592-6	Xi; R41
Dicyclohexylamine	101-83-7	0.1 - 1	202-980-7	Xn; R22 C; R34 N; R50/53

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	Not classified as dangerous.
Human health hazards	Not classified as dangerous.
Environmental hazards	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Effects and symptoms	
Eyes	No significant health hazards identified. Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. See 'Medical Advice' under First-Aid Measures, Section 4 of this Safety Data Sheet.
Skin	No significant health hazards identified.
Inhalation	No significant health hazards identified.
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	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Note: High Pressure Applications

Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis.

Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes.

5. Fire-fighting measures**Extinguishing Media**

Suitable	Use foam or all-purpose dry chemicals to extinguish. This material is harmful to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to ar waterway, sewer or drain
Not Suitable	Do not use water jet.

Hazardous decomposition products

These products are carbon oxides (CO, CO₂).

Unusual fire/explosion Hazards

None identified.

Special fire-fighting procedures

None identified.

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 cleanup methods

If emergency personnel are unavailable vacuum or carefully scoop up spilled materials and place in an appropriate container for disposal. Avoid creating dusty conditions and prevent wind dispersal. 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 Avoid contact of spilled material and runoff with soil and surface waterways

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure controls/personal protection

Occupational Exposure Limits None assigned.

Control Measures Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

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

Autoignition temperature	>250 °C
Flash point	>200 °C (CLOSED CUP)
Colour	Red.
Odour	Mild
Odour threshold	Not available.
Physical state	Solid. (SMOOTH RED GREASE, MILD ODOR)
Melting point / range	160 °C
Solubility	insoluble in water.
Specific Gravity	<1

10. Stability and reactivity

Incompatibility with Various Substances	Reactive with oxidizing 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. At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.
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).

12. Ecological information

Mobility	Spillages are unlikely to penetrate the soil. If released to water the product will sink.
Environmental hazards	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Disposal considerations

Disposal Consideration / Waste information	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	The classification of the product may meet the criteria for a hazardous waste

14. Transport information

Not classified as hazardous for transport (ADR, RID, UN, IMO, IATA/ICAO).

15. Regulatory information

Label Requirements

Risk Phrases	R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrases	S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.
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): Not determined. EC INVENTORY (EINECS): In compliance. JAPAN INVENTORY (ENCS): Not determined. KOREA INVENTORY (ECL): Not determined. PHILIPPINE INVENTORY (PICCS): Not determined. US INVENTORY (TSCA): In compliance.
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16. Other information

No component known to be present in this product at >0.1% is presently listed as a carcinogen by IARC, NTP or OSHA.

Full text of R-phrases appearing in section 2

R22- Harmful if swallowed.
R34- Causes burns.
R41- Risk of serious damage to eyes.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

HISTORY

Date of issue 26/02/2003.
Date of previous issue 28/11/2002.
Prepared by Product Stewardship Group

Notice to Reader

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken

Further copies of this Safety Data Sheet may be obtained from Castrol International.