

# SAFETY DATA SHEET



Castrol High Temperature Grease

## Section 1. Chemical product and company identification

**GHS product identifier** Castrol High Temperature Grease  
**Product code** 467200-BE26  
**SDS #** 467200

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

**Product use** Grease for industrial applications.  
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

**Supplier** Castrol Madeni Yağlar Ticaret A.Ş.  
İçerenköy Mah. Değirmen Yolu Cad. Mengerler Blok No: 28/1 İç Kapı No: 12  
Ataşehir/İstanbul

**EMERGENCY TELEPHONE NUMBER** CASTROL DIRECT 0212 473 77 37  
Carechem: +44 (0) 1235 239 670 (24/7)  
Ministry of Health National Poison Information Centre: 114 (24 hours)

## Section 2. Hazards identification

**Classification of the substance or mixture** Not classified.

### GHS label elements

**Signal word** No signal word.  
**Hazard statements** No known significant effects or critical hazards.  
**Precautionary statements**  
**Prevention** Not applicable.  
**Response** Not applicable.  
**Storage** Not applicable.  
**Disposal** Not applicable.

**Other hazards which do not result in classification** Defatting to the skin.  
Note: High Pressure Applications  
Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency.  
See 'Notes to physician' under First-Aid Measures, Section 4 of this Safety Data Sheet.

## Section 3. Composition/information on ingredients

**Substance/mixture** Mixture  
Highly refined base oil (IP 346 DMSO extract < 3%). Thickening agent. Proprietary performance additives.

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				<b>Language</b>	ENGLISH
					(ENGLISH)

## Section 3. Composition/information on ingredients

Ingredient name	%	Identifiers	Classification	Type
Distillates (petroleum), solvent-dewaxed heavy paraffinic	≥25 - ≤50	CAS: 64742-65-0 EC: 265-169-7	Not classified.	[2]
Residual oils (petroleum), solvent refined	≥25 - ≤50	CAS: 64742-01-4 EC: 265-101-6	Not classified.	[2]
dilithium sebacate	≤3	CAS: 19370-86-6 EC: 242-999-8	ACUTE TOXICITY (oral) - Category 4	[1]
4,4'-methylene bis (dibutylidithiocarbamate)	≤3	CAS: 10254-57-6 EC: 233-593-1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### Type

[1] Substance classified with a health or environmental hazard

[2] Component in composition greater than or equal to 10%

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

#### Inhalation

In case of inhalation of decomposition products in a fire, symptoms may be delayed. If inhaled, remove to fresh air. The exposed person may need to be kept under medical surveillance for 48 hours. Get medical attention if symptoms occur.

#### Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

#### 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 symptoms occur.

#### 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.

### Most important symptoms/effects, acute and delayed

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

### Indication of immediate medical attention and special treatment needed, if necessary

#### Specific treatments

No specific treatment.

#### Notes to physician

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Treatment should in general be symptomatic and directed to relieving any effects. 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.

#### Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training.

## Section 5. Firefighting measures

### Extinguishing media

#### **Suitable extinguishing media**

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

#### **Unsuitable extinguishing media**

Do not use water jet.

#### **Specific hazards arising from the chemical**

No specific fire or explosion hazard.

#### **Hazardous thermal decomposition products**

Combustion products may include the following:  
metal oxide/oxides  
carbon oxides (CO, CO<sub>2</sub>) (carbon monoxide, carbon dioxide)  
sulphur oxides (SO, SO<sub>2</sub>, etc.)  
nitrogen oxides (NO, NO<sub>2</sub> etc.)

#### **Special protective actions for fire-fighters**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

#### **Special protective equipment for fire-fighters**

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

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### **For non-emergency personnel**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling.

#### **For emergency responders**

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

#### **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).

### Methods and material for containment and cleaning up

#### **Small spill**

Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

#### **Large spill**

Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Avoid creating dusty conditions and prevent wind dispersal. If emergency personnel are unavailable, contain spilt material. Suction or scoop the spill into appropriate disposal or recycling vessels, then cover spill area with oil absorbent. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

#### **Protective measures**

Put on appropriate personal protective equipment (see Section 8).

#### **Advice on general occupational hygiene**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Contaminated work clothing should not be allowed out of the workplace. See also Section 8 for additional information on hygiene measures.

## Section 7. Handling and storage

### Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

### Not suitable

Prolonged exposure to elevated temperature

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

#### Biological exposure indices

No exposure indices known.

### 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.

### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

#### Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

Safety glasses with side shields.

#### Skin protection

##### Hand protection

Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves. Recommended: Nitrile gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

## Section 8. Exposure controls/personal protection

### Body protection

Use of protective clothing is good industrial practice. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

## Section 9. Physical and chemical properties

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

### Appearance

Physical state	Grease
Colour	Amber.
Odour	Characteristic.
Odour threshold	Not available.
pH	Not applicable.
Melting point	Not available.
Boiling point or initial boiling point and boiling range	Not available.
Flash point	Closed cup: >200°C (>392°F) [Pensky-Martens ASTM D 93]
Evaporation rate	Not available.
Flammability	Not available.
Lower and upper explosion limit/flammability limit	Not applicable.
Vapour pressure	Not available.
Relative vapour density	Not applicable.
Relative density	Not available.
Solubility(ies)	

Media	Result
water	Not soluble

Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	>300°C (>572°F)
Decomposition temperature	Not available.
Particle characteristics	
Median particle size	Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.
<b>Chemical stability</b>	The product is stable.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not occur.
<b>Conditions to avoid</b>	Avoid all possible sources of ignition (spark or flame).
<b>Incompatible materials</b>	Reactive or incompatible with the following materials: oxidising materials.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

##### **Product/ingredient name**

Distillates (petroleum), solvent-dewaxed heavy paraffinic

4,4'-methylene bis(dibutyldithiocarbamate)

##### **Result**

###### **Rat - Oral - LD50**

>5000 mg/kg  
OECD 401

###### **Rat - Dermal - LD50**

>2000 mg/kg  
OECD 402

###### **Rat - Inhalation - LC50 Dusts and mists**

>5.53 mg/l [4 hours]  
OECD 403

###### **Rat - Oral - LD50**

>5000 mg/kg  
OECD 401

###### **Rabbit - Dermal - LD50**

>2000 mg/kg  
OECD 402

#### Skin corrosion/irritation

##### **Product/ingredient name**

Distillates (petroleum), solvent-dewaxed heavy paraffinic  
4,4'-methylene bis(dibutyldithiocarbamate)

##### **Result**

**Rabbit - Skin - Non-irritant to skin.**

**Rabbit - Skin - Not irritant**

OECD 404

#### Serious eye damage/eye irritation

##### **Product/ingredient name**

Distillates (petroleum), solvent-dewaxed heavy paraffinic  
4,4'-methylene bis(dibutyldithiocarbamate)

##### **Result**

**Rabbit - Eyes - Non-irritating to the eyes.**

OECD 405

**Rabbit - Eyes - Not irritant**

OECD 405

## Section 11. Toxicological information

### Respiratory corrosion/irritation

Not available.

### Respiratory or skin sensitization

#### Product/ingredient name

Distillates (petroleum), solvent-dewaxed heavy paraffinic

4,4'-methylene bis(dibutyldithiocarbamate)

#### Result

##### Guinea pig - skin

OECD 406

Result: Not sensitising

##### Mouse - skin

OECD 429

Result: Not sensitising

### Germ cell mutagenicity

#### Product/ingredient name

Distillates (petroleum), solvent-dewaxed heavy paraffinic

4,4'-methylene bis(dibutyldithiocarbamate)

#### Result

##### In vitro - Bacteria

OECD [Bacterial Reverse Mutation Test]

Result: Negative

##### In vitro - Mammal - species unspecified

OECD [In vitro Mammalian Chromosomal Aberration Test]

Result: Negative

##### In vitro - Bacteria

OECD 471

Result: Negative

##### In vitro - Mammalian-Animal

OECD 473

Result: Negative

##### In vitro - Mammalian-Animal

OECD 476

Result: Negative

### Carcinogenicity

#### Product/ingredient name

Distillates (petroleum), solvent-dewaxed heavy paraffinic

#### Result

##### Mouse - Dermal - Unspecified

OECD 451

Result: Negative

### Reproductive toxicity

#### Product/ingredient name

Distillates (petroleum), solvent-dewaxed heavy paraffinic

4,4'-methylene bis(dibutyldithiocarbamate)

#### Result

##### Rat - Oral

OECD 421

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative

##### Rat - Oral

OECD 422

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative



Section 11. Toxicological information

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Potential acute health effects

Eye contact	No known significant effects or critical hazards.
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	Defatting to the skin. May cause skin dryness and irritation.
Ingestion	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

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

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact	Potential risk of transient stinging or redness if accidental eye contact occurs.
Skin contact	Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Ingestion	Ingestion of large quantities may cause nausea and diarrhoea.

Potential chronic health effects

General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	
Oral	LD50 2470 mg/kg



Section 12. Ecological information

Environmental effects

No known significant effects or critical hazards.

Product/ingredient name	Result
Distillates (petroleum), solvent-dewaxed heavy paraffinic	<b>Acute - EL50</b>
	OECD 201
	Algae
	>100 mg/l [72 hours]
	<b>Acute - EL50</b>
	OECD 202
	Daphnia
	>10000 mg/l [48 hours]
	<b>Acute - LL50</b>
	OECD 203
4,4'-methylene bis(dibutyldithiocarbamate)	Fish
	>100 mg/l [96 hours]
	<b>Chronic - NOEL</b>
	OECD 201
	Algae
	≥100 mg/l [72 hours]
	<b>Chronic - NOEL</b>
	OECD 211
	Daphnia
	10 mg/l [21 days]
	<b>Acute - ErC50</b>
	OECD 201
	Algae
	>0.0325 mg/l [72 hours]
	<b>Acute - EC50</b>
	OECD 202
	Daphnia
	>0.052 mg/l [48 hours]
	<b>Acute - EL50</b>
	OECD 203
	Fish
	>0.06 mg/l [96 hours]
	<b>Chronic - NOEC</b>
	OECD 211
	Daphnia
	0.247 mg/l [21 days]
	<b>Chronic - NOEC</b>
	OECD 201
	Algae
	0.0325 mg/l [72 hours]

Persistence and degradability

Expected to be biodegradable.

Product/ingredient name	Result
Distillates (petroleum), solvent-dewaxed heavy paraffinic	OECD 301F
	31% [28 days] - Not readily
4,4'-methylene bis(dibutyldithiocarbamate)	OECD 301B
	21% [28 days] - Not readily

Bioaccumulative potential

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

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
4,4'-methylene bis(dibutyldithiocarbamate)	8.42	10.86	Low

## Section 12. Ecological information

### Mobility in soil

Soil/water partition  
coefficient

Not available.

Mobility

Spillages are unlikely to penetrate the soil.

Other adverse effects

No known significant effects or critical hazards.

Other ecological information

This product is unlikely to disperse in water.

## Section 13. Disposal considerations

### Disposal methods

The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	IMDG	IATA
UN number	Not regulated.	Not regulated.
UN proper shipping name	-	-
Transport hazard class(es)	-	-
Packing group	-	-
Environmental hazards	No.	No.
Additional information	-	-

### Special precautions for user

Not available.

## Section 15. Regulatory information

### Regulation according to other foreign laws

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 are active or exempted.

Australia inventory (AIC)

All components are listed or exempted.

Canada inventory

All components are listed or exempted.

China inventory (IECSC)

All components are listed or exempted.

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## Section 15. Regulatory information

Japan inventory (CSCL)	At least one component is not listed.
Korea inventory (KECI)	At least one component is not listed.
Philippines inventory (PICCS)	All components are listed or exempted.
Taiwan Chemical Substances Inventory (TCSI)	All components are listed or exempted.

## Section 16. Other information

### History

Date of printing	9/29/2025
Date of issue/Date of revision	9/29/2025
Date of previous issue	5/24/2023
Version	2
Prepared by	Product Stewardship
Key to abbreviations	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor 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) REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006] UN = United Nations Varies = may contain one or more of the following 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1
References	Not available.

Indicates information that has changed from previously issued version.

### Notice to reader

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

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

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

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