



1. Chemical product and company identification

Product name CASTROL FIFTH WHEEL GREASE
MSDS# 0000001609
Historic MSDS#: None.
Code 0000001609
Product use Lubricant
Supplier BP Lubricants USA Inc.
 9300 Pulaski Highway
 Baltimore, Maryland 21220-2495

EMERGENCY HEALTH INFORMATION: 1 (800) 447-8735
 Outside the US: +1 703-527-3887 (CHEMTREC)
EMERGENCY SPILL INFORMATION: 1 (800) 424-9300 CHEMTREC (USA)
OTHER PRODUCT INFORMATION 1 (866) 4 BP - MSDS
 (866-427-6737 Toll Free - North America)
 email: bpcares@bp.com

2. Composition/information on ingredients

Ingredient name	CAS #	% by weight	Exposure limits
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	20 - 90	ACGIH (United States). TWA: 5 mg/m ³ 8 hour(s). Form: OIL MIST, MINERAL STEL: 10 mg/m ³ 15 minute(s). Form: OIL MIST, MINERAL OSHA (United States). PEL: 5 mg/m ³ 8 hour(s). Form: OIL MIST, MINERAL
molybdenum sulfide	1317-33-5	0.1 - 10	ACGIH TLV (United States, 2003). TWA: 3 mg/m ³ 8 hour(s). Form: Insoluble (Respirable fraction) TWA: 10 mg/m ³ 8 hour(s). Form: Insoluble (Inhalable fraction) TWA: 3 mg/m ³ 8 hour(s). Form: Insoluble OSHA PEL (United States, 6/1993). TWA: 15 mg/m ³ 8 hour(s). Form: Total dust
Proprietary performance additives	proprietary	15 - 40	None assigned.

3. Hazards identification

Physical state Solid paste.

Color Black.

Emergency overview

This product has been evaluated and does not require any hazard warning on the label under established regulatory criteria.

Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.

Routes of entry

Absorbed through skin. Eye contact. Ingestion.

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Potential Health Effects

Eyes	No significant health hazards identified.
Skin	Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis. High pressure skin injections are serious medical emergencies. Injury will not appear serious at first; within a few hours, tissue will become swollen, discolored and extremely painful.
Inhalation	No significant health hazards identified.
Ingestion	Causes gastrointestinal irritation and diarrhea.
Medical conditions aggravated by overexposure	None identified.

See toxicological Information (section 11)

4. First aid measures

Eye Contact	In case of contact, immediately flush eyes with plenty 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. Thoroughly clean shoes before reuse. Get medical attention if irritation develops. Accidental high pressure injection through the skin requires immediate medical attention.
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.

5. Fire-fighting measures

Flammability of the product	May be combustible at high temperature.
Flash point	176.67 °C (OPEN CUP) Cleveland.
Products of combustion	carbon oxides (CO, CO ₂)
Unusual fire/explosion hazards	This material is not explosive as defined by established regulatory criteria.
Fire fighting media and instructions	In case of fire, use water fog, foam, dry chemicals, or carbon dioxide. Do not use water jet.
Protective clothing (fire)	Fire-fighters should wear positive pressure self-contained 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 (See Section: "Exposure controls/personal protection"). Follow all fire fighting procedures (See Section: "Fire-fighting measures").
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. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. 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. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

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7. Handling and storage

Handling	Wash thoroughly after handling. Avoid strong oxidizers.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Empty containers may contain harmful, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.

8. Exposure controls/personal protection

Occupational exposure limits

Ingredient name

Distillates (petroleum), hydrotreated heavy naphthenic

Occupational exposure limits

ACGIH (United States).

TWA: 5 mg/m³ 8 hour(s). Form: OIL MIST, MINERAL

STEL: 10 mg/m³ 15 minute(s). Form: OIL MIST, MINERAL

OSHA (United States).

PEL: 5 mg/m³ 8 hour(s). Form: OIL MIST, MINERAL

molybdenum sulfide

ACGIH TLV (United States, 2003).

TWA: 3 mg/m³ 8 hour(s). Form: Insoluble (Respirable fraction)

TWA: 10 mg/m³ 8 hour(s). Form: Insoluble (Inhalable fraction)

TWA: 3 mg/m³ 8 hour(s). Form: Insoluble

OSHA PEL (United States, 6/1993).

TWA: 15 mg/m³ 8 hour(s). Form: Total dust

Proprietary performance additives

None assigned.

Control Measures

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Hygiene measures

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

Personal protection

Eyes

Safety glasses with side shields.

Skin and Body

Avoid prolonged or repeated contact with skin. Wear protective clothing if prolonged or repeated contact is likely.

Respiratory

None required; however, use of adequate ventilation is good industrial practice. If ventilation is inadequate, use a NIOSH certified respirator with an organic vapor cartridge and P95 particulate filter.

Hands

Wear protective gloves if prolonged or repeated contact is likely.

[Consult local authorities for acceptable exposure limits.](#)

9. Physical and chemical properties

Physical state	Solid paste.
Odor	Petroleum
Color	Black.
Boiling point / Range	>370 °C
Penetration Number (mm)	270
Specific Gravity	0.94
Vapor Density (Air = 1)	<1
Solubility	Insoluble

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10. Stability and reactivity

Stability and Reactivity	The product is stable.
Conditions to avoid	Keep away from heat, sparks and flame. Keep away from sources of ignition.
Incompatibility with various substances	Strong oxidizing materials, strong acids, strong alkalis.
Hazardous Decomposition Products	Products of combustion: carbon oxides (CO, CO ₂)
Hazardous polymerization	Will not occur.

11. Toxicological information

Acute toxicity	Toxicity testing not conducted. 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. At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhea.
Chronic toxicity	
Carcinogenic effects	No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety and Health Act (OSHA).
Mutagenic effects	No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen.
Reproductive effects	No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a reproductive toxin.
Teratogenic effects	No component of this product at levels greater than 0.1% is classified by established regulatory criteria as teratogenic or embryotoxic.

12. Ecological information

Ecotoxicity	No testing has been performed by the manufacturer.
Persistence/degradability	Inherently biodegradable
Bioaccumulative potential	This product is not expected to bioaccumulate through food chains in the environment.
Other ecological information	Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

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13. Disposal considerations

Waste information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Consult your local or regional authorities.

14. Transport information

Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO)

15. Regulatory information

U.S. Federal regulations US INVENTORY (TSCA): In compliance.

This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

This product does not contain any hazardous ingredients at or above regulated thresholds.

SARA 313

Form R - Reporting requirements

This product does not contain any hazardous ingredients at or above regulated thresholds.

Supplier notification

This product does not contain any hazardous ingredients at or above regulated thresholds.

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4):: This material is not regulated under CERCLA Sections 103 and 107.

State regulations

Massachusetts RTK:MOLYBDENUM DISULFIDE
New Jersey:MOLYBDENUM DISULFIDE

Inventories

AUSTRALIAN INVENTORY (AICS): Not determined.

CANADA INVENTORY (DSL): In compliance.

CHINA INVENTORY (IECS): Not determined.

EC INVENTORY (EINECS): Not determined.

JAPAN INVENTORY (ENCS): Not determined.

KOREA INVENTORY (ECL): Not determined.

PHILIPPINE INVENTORY (PICCS): Not determined.

16. Other information

Label Requirements

This product has been evaluated and does not require any hazard warning on the label under established regulatory criteria.

HMIS® Rating :

Health 1
Flammability 1
Physical Hazard 0
Personal protection X

National Fire Protection Association (U.S.A.)



History

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Date of previous issue 02/10/2005.
Prepared by Product Stewardship

Notice to reader

NOTICE : This Material Safety Data Sheet is based upon data considered to be accurate at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. We are not responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or from hazards inherent in the nature of the product.