



1. Chemical product and company identification

Product name CASTROL HYPURON S 15W-40
(Formerly Castrol Enduron S 15W-40)

MSDS # 461885

Historic MSDS #: 0000001336, 0000001670

Code 461885

Product use Diesel engine oil.
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

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
Distillates (petroleum), hydrotreated, heavy paraffinic (Highly refined mineral oil)	64742-54-7	50 - 60
Distillates (petroleum), solvent-refined heavy paraffinic (Highly refined mineral oil)	64741-88-4	10 - 15

3. Hazards identification

Physical state Liquid.

Color Clear. Brown.

Emergency overview CAUTION!
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.

Routes of entry Skin contact. Eye contact. Inhalation. Ingestion.

Potential health effects

Eyes May cause eye irritation.

Skin May cause skin irritation. Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis. Used engine oil may contain hazardous components which have the potential to cause skin cancer.

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Inhalation May cause respiratory tract irritation.
Ingestion Causes gastrointestinal irritation and diarrhea.

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.

Skin contact Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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 224 °C (Open cup)

Products of combustion These products are carbon oxides (CO, CO₂), sulfur oxides (SO₂, SO₃...) and oxides of phosphorus.

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. Avoid contact of spilled material with soil and prevent runoff entering 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.

7. Handling and storage

Handling Avoid contact with skin and clothing. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Use only with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling.

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.

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8. Exposure controls/personal protection

Occupational exposure limits

Ingredient name

Distillates (petroleum), hydrotreated, heavy paraffinic (Highly refined mineral oil)

Occupational exposure limits

ACGIH (United States).

STEL: 10 mg/m³ 15 minute(s). Form: Oil mist, mineral
TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

OSHA (United States).

TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

Distillates (petroleum), solvent-refined heavy paraffinic (Highly refined mineral oil)

ACGIH (United States).

STEL: 10 mg/m³ 15 minute(s). Form: Oil mist, mineral
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OSHA (United States).

TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

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 close 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

Avoid contact with eyes. Chemical splash goggles.

Skin and body

Avoid contact with skin and clothing. Wear suitable protective clothing.

Respiratory

Use only with adequate ventilation. Avoid breathing vapor or mist.

Hands

Wear suitable gloves.

Consult your supervisor or S.O.P. for special handling directions

Consult local authorities for acceptable exposure limits.

9. Physical and chemical properties

Physical state

Liquid.

Color

Clear. Brown.

Pour Point

-36 °C

Specific gravity

<1

Density

875 kg/m³ (0.875 g/cm³) at 15°C

Viscosity

Kinematic: 120 mm²/s (120 cSt) at 40°C
Kinematic: 15.2 mm²/s (15.2 cSt) at 100°C

Viscosity Index

137

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

Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition products

Products of combustion: carbon oxides (CO, CO₂), sulfur oxides (SO₂, SO₃...) and oxides of phosphorus .

Hazardous polymerization

Will not occur.

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11. Toxicological information

Acute toxicity

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.

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.

13. Disposal considerations

Waste information

Avoid contact of spilled material and runoff with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities.

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.

TSCA 12(b) one-time export notification: Diphenylamine (<0.5%); Nonane
TSCA 12(b) annual export notification: Alkylated phenol (P-00-346) (1-2%)

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

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: CASTROL
HYPURON S 15W-40 : Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard

SARA 313

	Product name	CAS number	Concentration
Form R - Reporting requirements	Zinc alkyl dithiophosphate	proprietary	0.2165 - 1.0609
Supplier notification	This product does not contain any hazardous ingredients at or above regulated thresholds.		

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CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4):: Zinc alkyl dithiophosphate; Arsenic: 1 lbs. (0.4536 kg); Lead: 10 lbs. (4.536 kg); Cadmium: 10 lbs. (4.536 kg); Benzene: 10 lbs. (4.536 kg);

State regulations

Massachusetts RTK:Diphenylamine
New Jersey:Zinc alkyl dithiophosphate; Diphenylamine
Pennsylvania RTK:Zinc alkyl dithiophosphate (environmental hazard, generic environmental hazard); Diphenylamine (environmental hazard, generic environmental hazard)
WARNING: This product contains a chemical known to the State of California to cause cancer.
Arsenic

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.
Lead; Cadmium; Benzene

Inventories

AUSTRALIAN INVENTORY (AICS): Not listed.
CANADA INVENTORY (DSL): In compliance.
CHINA INVENTORY (IECS): Not listed.
EC INVENTORY (EINECS/ELINCS): In compliance. For restricted use only.
JAPAN INVENTORY (ENCS): Not listed.
KOREA INVENTORY (ECL): In compliance.
PHILIPPINE INVENTORY (PICCS): Not listed.

16. Other information

Label requirements

CAUTION!
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.

HMIS® Rating :

Health 1
Flammability 1
Physical Hazard 0
Personal protection X

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



History

Date of issue 09/28/2005.
Date of previous issue 09/28/2005.
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.

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