

SAFETY DATA SHEET

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

Product name	Protector Series ATF Dexron III-H
SDS no.	463464
Product use	Automotive gear lubricant. For specific application advice see appropriate Technical Data Sheet or consult our company representative.
Company	Castrol Vietnam Ltd.
Address	Sun Wah Tower, Fourth Floor, 115 Nguyen Hue, District 1, HCMC Viet Nam.
Tel	(84) 8-8219153
Fax	(84) 8-8219152
Emergency Telephone Number	Carechem: +65 6322 2519 (24 hours)

2. Composition/information on ingredients

Chemical name	CAS no.	%	EINECS / ELINCS.	Classification
Alkyl phosphites	proprietary	0.1 – 1		Xn; R21 C; R34 N; R50/53

See section 16 for the full text of the R-phrases declared above
Occupational exposure limits, 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	Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.
Skin	Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.
Inhalation	Inhalation of oil mist or vapours at elevated temperatures may cause respiratory irritation.
Ingestion	Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhea.

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.

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 any waterway, sewer or drain.

Not suitable Hazardous decomposition products

Do not use water jet.
These products are carbon oxides

Unusual fire/explosion hazards

This material is not explosive as defined by established regulatory criteria.

Special fire-fighting procedures

None identified.

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 (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 spilt material with soil and prevent runoff entering surface waterways. See Section 13 for Waste Disposal Information.

7. Handling and storage

Handling

Avoid prolonged or repeated contact with skin. Avoid contact of spilled material and runoff with soil and surface waterways. Wash thoroughly after handling.

Storage

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

8. Exposure controls/personal protection

Ingredient name

Base oil - unspecified

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

Where there are no regulatory exposure limits, for information and guidance, the ACGIH values are included. For further information on these please consult your supplier.

Whilst specific OELs for certain components are included in this SDS, it should be noted that other components of the preparation will be present in any mist, vapour or dust produced. For this reason, the specific OELs may not be applicable to the product and are provided for guidance purposes.

Control Measures

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.

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.

Personal protective equipment

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Respiratory system	None required; however, use of adequate ventilation is good industrial practice.
Skin and body	Wear protective clothing if prolonged or repeated contact is likely.
Hands	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.
Eyes	Safety glasses with side shields.

9. Physical and chemical properties

Flash point	200 °C (Closed cup) Pensky-Martens.
Viscosity Index	186
Colour	Red.
Odour	Oily.
Physical state	Liquid.
Density	861 kg/m ³ (0.861 g/cm ³) at 15°C
Viscosity	Kinematic: 32.1mm ² /s (32.1cSt) at 40°C Kinematic: 7.25mm ² /s (7.25 cSt) at 100°C

10. Stability and reactivity

Hazardous polymerisation	Will not occur.
Hazardous decomposition products	These products are carbon oxides

11. Toxicological information

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

Environmental hazards	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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13. Disposal considerations

Disposal Consideration / 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. Dispose of in accordance with all applicable local and national 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, ADNR, IMDG, ICAO/IATA)

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 sheet.

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): In compliance.

KOREA INVENTORY(ECL):): In compliance.

PHILIPPINE INVENTORY (PICCS): Not determined.

US INVENTORY(TSCA): In compliance.

16. Other information

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

R21- Harmful in contact with skin.

R34- Causes burns.

R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

History

Date of issue

17 Feb. 2007

Date of previous issue

No Previous Validation.

Prepared by

GPS Team

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.

Revision Indicator: The presence of a triangle in the upper left corner of a field indicates a change since the previous version.

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