

# SAFETY DATA SHEET

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

**Product name** Valvemaster  
**SDS #** 1768-UK  
**Product Use** Additive package  
**Supplier** Castrol (UK) Ltd  
Wakefield House  
Pipers Way  
Swindon  
Wiltshire SN3 1RE

**EMERGENCY TELEPHONE NUMBER** +44 (0)1793 512712

## 2. Composition/information on ingredients

Highly refined mineral oil (IP 346 DMSO extract < 3%)  
Proprietary performance additives.

Chemical name	CAS no.	%	EINECS / ELINCS.	Classification
Solvent naphtha (petroleum), heavy arom.	64742-94-5	50 - 100	265-198-5	Xn; R65 N; R51/53
Amine salt of mixed alkyl acid phosphates		50 - 100		Xi; R38
Kerosine (petroleum)	8008-20-6	5-10	232-366-4	R10 Xn; R65 N; R51/53

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.

<b>Physical/chemical Hazards</b>	Not classified as dangerous.
<b>Human health hazards</b>	Irritating to skin. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.
<b>Environmental hazards</b>	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
<b>Effects and symptoms</b>	
<b>Eyes</b>	No significant health hazards identified.
<b>Skin</b>	Causes skin irritation.
<b>Inhalation</b>	No significant health hazards identified.
<b>Ingestion</b>	Aspiration hazard if swallowed -- harmful or fatal if liquid is aspirated into lungs.

## 4. First-aid measures

<b>Eye Contact</b>	In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Get medical attention if irritation occurs.
<b>Skin contact</b>	In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention immediately.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms appear.
<b>Ingestion</b>	If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed- can enter lungs and cause damage. Obtain medical attention.
<b>Notes to physician</b>	Treatment should in general be symptomatic and directed to relieving any effects.

Product Name Valvemaster

Product Code UK 1768

Page: 1/5

Version 1

Date of issue 12 July 2002

Format United Kingdom (UK)

Language

( ENGLISH )

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## 5. Fire-fighting measures

### Extinguishing Media

Suitable	In case of fire, use water fog, foam, dry chemical or CO2 extinguisher or spray.
Not Suitable	Do not use water jet.

Unusual fire/explosion Hazards	This material is not explosive as defined by established regulatory criteria.
Special fire-fighting procedures	None identified.

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## 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, 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.

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## 7. Handling and storage

Handling	Aspiration hazard if swallowed- can enter lungs and cause damage. Do not ingest. If ingested do not induce vomiting. Avoid contact with skin and clothing. 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.

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## 8. Exposure controls/personal protection

Occupational Exposure Limits	None assigned.
Control Measures	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
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	Avoid contact with skin and clothing. Wear suitable protective clothing.
Hands	Wear suitable gloves.
Eyes	Safety glasses with side shields.

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## 9. Physical and chemical properties

Autoignition temperature	>200 °C
Flash point	63 °C (CLOSED CUP)
Explosion Limits	LOWER: 1 % UPPER: 7 %
Colour	Straw colour.
Odour	Aromatic.
Odour threshold	Not available.
Physical state	Liquid.
Boiling point / range	>150 °C
Density	0.92 g/cm <sup>3</sup> at 20 °C
Solubility	Insoluble in cold water.
Viscosity	kinematic at 40°C: 5 cSt

## 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

Environmental hazards	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
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## 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. Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.
Hazardous Waste	The classification of the product may meet the criteria for a hazardous waste

## 14. Transport information

### International transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Classification	3082	Environmentally hazardous substance, liquid, n.o.s. solution	9	-		<b>CEFIC Tremcard Number:</b> Not available. <b>Hazchem Code</b> Not available.
ADN Classification	3082	Environmentally hazardous substance, liquid, n.o.s.	9	III		-
IMDG Classification	3082	Environmentally hazardous substance, liquid, n.o.s. solution	9	III		<b>Marine pollutant</b> IMDG Class: Marine Pollutant. (Pollutant.)
IATA Classification	3082	Environmentally hazardous substance, liquid, n.o.s.	9	III		-

Product Name Valvemaster	Product Code UK 1768	Page: 3/5	
Version 1	Date of issue 12 July 2002	Format United Kingdom (UK)	Language ( ENGLISH )

## 15. Regulatory information

### Label Requirements

#### Hazard symbol(s)



#### Indication of Danger

Harmful

Dangerous for the environment.

#### Risk Phrases

R65- Harmful: may cause lung damage if swallowed.  
R38- Irritating to skin.  
R67- Vapours may cause drowsiness and dizziness.  
R51/53- Toxic 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.

#### Restrictions to product use

Classification and labeling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted.  
- Industrial applications.

### Other Regulations

#### Inventories

AUSTRALIAN INVENTORY (AICS): Not determined.

CANADA INVENTORY (DSL): Not determined.

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.

US INVENTORY (TSCA): Not determined.

## 16. Other information

#### Full text of R-phrases appearing in section 2

R10- Flammable.  
R65- Harmful: may cause lung damage if swallowed.  
R38- Irritating to skin.  
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### HISTORY

##### Date of issue

12/07/2002.

##### Date of previous issue

No Previous Validation.

##### 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.*

<b>Product Name</b> Valvemaster	<b>Product Code</b> UK 1768	<b>Page:</b> 4/5
<b>Version</b> 1	<b>Date of issue</b> 12 July 2002	<b>Format</b> United Kingdom (UK)
		<b>Language</b> ( )

<b>Product Name</b> Valvemaster	<b>Product Code</b> UK 1768	<b>Page:</b> 4/5
<b>Version</b> 1	<b>Date of issue</b> 12 July 2002	<b>Format</b> United Kingdom (UK)
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