

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

<b>Product name</b>	<b>Icematic PAG 100</b>
<b>SDS #</b>	FR-460399, UK-6147
<b>Product use</b>	Compressor lubricant
<b>Supplier</b>	Castrol (U.K.) Limited Wakefield House Pipers Way Swindon Wiltshire, SN3 1RE United Kingdom
	Tel.: +44 (0)1793 512712 Fax.: +44 (0)1793 486083
<b>EMERGENCY TELEPHONE NUMBER</b>	+44 (0) 1793 512712

## 2. Composition/information on ingredients

Synthetic lubricant and additives.

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

## 3. Hazards identification

This substance is not classified as dangerous according to Directive 67/548/EEC as amended and adapted.

### Effects and symptoms

<b>Eyes</b>	May cause mild eye irritation.
<b>Skin</b>	Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.
<b>Inhalation</b>	Vapours and aerosol can produce mucous membrane, nose and throat irritation. May be harmful by inhalation after often repeated exposure.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation and diarrhoea.

## 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>	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 irritation develops.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms appear.
<b>Ingestion</b>	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

<b>Suitable</b>	In case of fire, use water fog, foam, dry chemical or carbon dioxide extinguisher or spray.
<b>Not Suitable</b>	Do not use water jet.
<b>Hazardous decomposition products</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Unusual fire/explosion Hazards</b>	This material is not explosive as defined by established regulatory criteria.
<b>Special Fire-Fighting Procedures</b>	None identified.
<b>Protection of fire-fighters</b>	Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

## 6 . Accidental release measures

<b>Personal Precautions</b>	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).
<b>Environmental precautions and clean-up methods</b>	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.
<b>Personal protection in case of a large spill</b>	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

## 7 . Handling and storage

<b>Handling</b>	Avoid breathing vapour or mist. Wash thoroughly after handling.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 8 . Exposure controls/personal protection

<b>Occupational exposure limits</b>	This product does not have any assigned OELs.
<b>Control Measures</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits.
<b>Hygiene measures</b>	Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
<b>Personal protective equipment</b>	
<b>Respiratory system</b>	None required; however, use of adequate ventilation is good industrial practice.
<b>Skin and body</b>	Wear appropriate clothing to avoid prolonged skin contact.
<b>Hands</b>	Wear protective gloves if prolonged or repeated contact is likely. Consult your local supplier of personal protective clothing regarding the choice of material.
<b>Eyes</b>	Safety glasses with side shields.

## 9 . Physical and chemical properties

<b>Auto-ignition temperature</b>	>370 °C
<b>Flash point</b>	262 °C (Open cup)
<b>Pour Point</b>	-50 °C
<b>Colour</b>	Yellow.
<b>Odour</b>	Mild
<b>Physical state</b>	Liquid.
<b>Density</b>	>1000 kg/m <sup>3</sup> (>1 g/cm <sup>3</sup> ) at 20°C
<b>Vapor pressure</b>	<0.01 kPa (<0.075 mm Hg) at 20°C
<b>Solubility</b>	Partially soluble in cold water.
<b>Viscosity</b>	Kinematic: 100 mm <sup>2</sup> /s (100 cSt) at 40°C

## 10 . Stability and reactivity

<b>Incompatibility with various substances</b>	Reactive with oxidising agents. Slightly reactive to reactive with acids.
<b>Hazardous polymerization</b>	Will not occur.

## 11 . Toxicological information

<b>Chronic toxicity</b>	
<b>Carcinogenic effects</b>	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

<b>Persistence/degradability</b>	Inherently biodegradable.
<b>Mobility</b>	Nonvolatile. Liquid. Partially soluble in water.
<b>Environmental hazards</b>	Not classified as dangerous.

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## 13 . Disposal considerations

<b>Disposal Consideration / Waste information</b>	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.
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## 14 . Transport information

Not classified as hazardous for transport (ADR, RID, UN , IMO, IATA/ICAO).

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## 15 . Regulatory information

### Label Requirements

**Risk Phrases** This product is not classified according to the EU regulations.

**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): Not determined.

KOREA INVENTORY (ECL): In compliance.

PHILIPPINE INVENTORY (PICCS): In compliance.

US INVENTORY (TSCA): In compliance.

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## 16 . Other information

### History

<b>Date of issue</b>	01/06/2004.
<b>Date of previous issue</b>	No Previous Validation.
<b>Prepared by</b>	Product Stewardship

### 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.