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

**Product name** Vario 2106  
**SDS no.** 453424  
**Historic SDS no.** FR-453424, IT-50X8  
**Product use** Metalworking fluid - neat.  
**Supplier** INDUSTRIAL LUBRICANTS & SERVICES  
Divisione di BP Italia  
Via Anton Cechov, 50/2  
20151 Milano  
Italia  
  
Numero di telefono: +39 02/33446.1  
Numero di FAX: +39 011/2225338  
  
**EMERGENCY TELEPHONE NUMBER** Carechem: +44 (0) 208 762 8322

## 2. Composition/information on ingredients

Highly refined mineral oil and additives.

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

## 3. Hazards identification

This preparation is not classified as dangerous according to Directive 1999/45/EC as amended and adapted.

### Effects and symptoms

**Eyes** May cause mild eye irritation.  
**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** Ingestion may cause gastrointestinal irritation and diarrhoea.

## 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** 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.  
**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** In case of fire, use water fog, foam, dry chemical or carbon dioxide extinguisher or spray.  
**Not suitable** Do not use water jet.

**Hazardous decomposition products** These products are carbon oxides sulfur 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

<b>Personal precautions</b>	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").
<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. Avoid contact of spilt material with soil and prevent runoff entering 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>	Wash thoroughly after handling. Concentrations of mist, fumes and vapours in enclosed spaces may result in the formation of explosive atmospheres. Excessive splashing, agitation or heating must be avoided.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 8. Exposure controls/personal protection

<b>Ingredient name</b>	<b>Occupational exposure limits</b>
Base oil - unspecified	<b>ACGIH (United States).</b> STEL: 10 mg/m <sup>3</sup> 15 minute(s). Form: Oil mist, mineral TWA: 5 mg/m <sup>3</sup> 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.

<b>Control Measures</b>	Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.
<b>Hygiene measures</b>	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.
<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. 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.
<b>Eyes</b>	Safety glasses with side shields.

## 9. Physical and chemical properties

<b>Flash point</b>	>150 °C (Closed cup)
<b>Colour</b>	Brown. [Dark]
<b>Odour</b>	Sulphurous.
<b>Physical state</b>	Liquid.
<b>Density</b>	<1000 kg/m <sup>3</sup> (<1 g/cm <sup>3</sup> ) at 20°C
<b>Solubility</b>	Insoluble in water.
<b>Viscosity</b>	Kinematic: 46 mm <sup>2</sup> /s (46 cSt) at 40°C

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## 10 . Stability and reactivity

<b>Incompatibility with various substances</b>	Reactive or incompatible with the following materials: oxidizing materials.
<b>Hazardous polymerisation</b>	Will not occur.
<b>Hazardous decomposition products</b>	These products are carbon oxides sulfur oxides

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## 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. Insoluble 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. Dispose of in accordance with all applicable local and national regulations.
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## 14 . Transport information

Not classified as hazardous for transport (ADR/RID, ADNR, IMDG, ICAO/IATA)

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## 15 . Regulatory information

### Label requirements

<b>Risk phrases</b>	This product is not classified according to the EU regulations.
<b>EU regulations</b>	Classification and labelling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted.
<b>Other regulations</b>	
<b>Inventories</b>	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): In compliance. US INVENTORY (TSCA): In compliance.

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## 16 . Other information

### History

**Date of issue** 04/01/2007.  
**Date of previous issue** 14/12/2006.  
**Prepared by** Product Stewardship

### Notice to reader

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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