1. Identification

JCB HYDRAULIC FLUID HP 32

GHS Product Identifier: 4572
JCB Product Codes: 4002/1025C, 4002/1024C
JCB Construction Equipment Australia

Address: 13 Yagine Close, Perth Airport WA 6105 Australia

Telephone/Fax Number: Tel: 1300 522 232

Supplied as a mineral hydraulic oil for use in suitable applications only.

This SDS was issued by Fuchs Lubricants (Australasia) Pty. Ltd.

2. Hazard Identification

AUSTRALIA
Not classified as hazardous according to Work, Health and Safety Regulations (WHS), Australia.
Not classified as dangerous goods according to the ADG Code.

NEW ZEALAND
Not classified as hazardous according to the Hazardous Substance (Minimum Degree of Hazard) regulations 2001.

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Name</th>
<th>CAS</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mineral oil</td>
<td></td>
<td>&gt;60%</td>
</tr>
<tr>
<td></td>
<td>Other ingredients</td>
<td>To 100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>determined not to be hazardous</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. First-aid measures

**Inhalation**: Remove victim from exposure - avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If symptoms develop seek medical attention.

**Ingestion**: DO NOT induce vomiting. If symptoms develop seek medical attention.

**Skin**: Remove contaminated clothing and wash skin thoroughly with soap and water. If symptoms develop seek medical attention.

**Eye contact**: Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If symptoms develop seek medical attention.

**First Aid Facilities**: Normal washroom facilities.

**Advice to Doctor**: Treat symptomatically.

**Most important symptoms/effects, acute and delayed**: No symptoms known so far.

5. Fire-fighting measures

**Suitable extinguishing media**: Use CO2, dry chemical or foam.

**Unsuitable extinguishing media**: Straight streams of water.
**Safety Data Sheet**

**Infosafe No™ 5FVKM**  
**Issue Date:** October 2019  
**ISSUED by FUCHS**

**Product Name:** JCB HYDRAULIC FLUID HP 32

<table>
<thead>
<tr>
<th>Hazards from Combustion Products</th>
<th>Combustion products may include oxides of carbon, nitrogen and sulfur as well as unidentified organic and inorganic compounds.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Protective Equipment for fire fighters</td>
<td>Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.</td>
</tr>
<tr>
<td>Specific hazards arising from the chemical</td>
<td>No special hazards arising from the use of the product.</td>
</tr>
</tbody>
</table>

### 6. Accidental release measures

| Spills & Disposal | Contain - prevent contamination of drains and waterways.  
| Use absorbent (soil or sand, sawdust, inert material, vermiculite).  
| Collect and seal in properly labelled drums for disposal.  
| Dispose of waste as per Local, State and Federal Land Waste Management Authorities. |
| Personal Precautions | Use suitable protective equipment (Section 8). Avoid contact with spilled material. |
| Environmental Precautions | Do not discharge into the subsurface waters/groundwater. Do not discharge into the soil. |

### 7. Handling and storage

| Precautions for Safe Handling | Put on appropriate personal protective equipment (see Section 8). Workers should wash hands and face before eating, drinking and smoking. Take precautionary measures against static discharges. Keep containers tightly closed when not in use. Empty containers retain product residue. Do not reuse container. |
| Conditions for safe storage, including any incompatibilities | Store in a cool, dry, well-ventilated area away from sources of ignition, strong oxidizing agents and foodstuffs. |

### 8. Exposure controls/personal protection

| Occupational exposure limit values | No value assigned for this specific material by the National Occupational Health and Safety Commission (Safe Work Australia). National Exposure Standards: Oil mist - TWA 5mg/m³, STEL 10mg/m³ |
| Biological Limit Values | No biological limits allocated. |
| Appropriate engineering controls | Maintain concentration below recommended exposure limit. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. |
| Respiratory Protection | If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Reference should be made to Australian/New Zealand Standards AS/NZS 1715/1716. |
| Eye Protection | Safety glasses, goggles or faceshield as appropriate. |
| Hand Protection | PVC, neoprene or nitrile rubber gloves. |
| Body Protection | Overalls or similar protective apparel. Enclosed footwear. |

### 9. Physical and chemical properties

| Appearance | Clear bright yellow to amber liquid |
JCB HYDRAULIC FLUID HP 32

Characteristics:
- Odour: >300°C/typical
- Boiling Point: Not applicable
- Solubility in Water: Insoluble
- pH: Not available
- Vapour Pressure: Not available
- Vapour Density: Not available
- Pour Point: -27°C
- Density: 0.875 @ 15°C/typical
- Flash Point: 190°C/typical
- Flammability: Combustible
- Flammable Limits - Lower: Not determined
- Flammable Limits - Upper: Not determined
- Kinematic Viscosity: 32 cSt @ 40°C/typical, 5.36 cSt @ 100°C/typical

Stability and Reactivity:
- Reactivity: Reacts with incompatibles.
- Chemical Stability: Stable under normal conditions of use and storage.
- Conditions to Avoid: Heat and other sources of ignition.
- Incompatible Materials: Strong oxidizing agents.
- Hazardous Decomposition: Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Toxicological Information:
- Toxicology Information: No toxicology data available for this product.
- Ingestion: Not normally considered to be a hazard by ingestion at appropriate usage.
- Inhalation: Ingestion may cause slight stomach irritation and discomfort. Inhalation of mists or aerosols can produce respiratory irritation.
- Skin: Contact with skin may result in irritation.
- Eye: May cause slight eye irritation.
- Respiratory sensitisation: Not considered to be a respiratory sensitisier.
- Skin Sensitisation: Not considered to be a skin sensitiser.
- Germ cell mutagenicity: Not considered to be a mutagenic hazard.
- Carcinogenicity: Not considered to be a carcinogenic hazard.
- Reproductive Toxicity: Not considered to be toxic to reproduction.
- STOT-single exposure: Not expected to cause toxicity to a specific target organ.
- STOT-repeated exposure: Not expected to cause toxicity to a specific target organ.
- Aspiration Hazard: Not considered to be an aspiration hazard.
- Other Information: Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and environment on disposal. All used oils should be handled with caution.
12. Ecological information

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>No data is available for this product.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>No data is available for this product.</td>
</tr>
<tr>
<td>Mobility</td>
<td>No data is available for this product.</td>
</tr>
<tr>
<td>Bioaccumulative Potential</td>
<td>No data is available for this product.</td>
</tr>
<tr>
<td>Environmental Protection</td>
<td>Do not allow product to enter drains, waterways or sewers.</td>
</tr>
<tr>
<td>Sewage Treatment</td>
<td>No data is available for this product.</td>
</tr>
</tbody>
</table>

13. Disposal considerations

Dispose waste according to federal, EPA, state and local regulations.

14. Transport information

- Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG).
- Not regulated for air transport according to International Air Transport Association (IATA) Dangerous Goods Regulations.
- Not regulated for sea transport according to International Maritime Dangerous Goods (IMDG).

15. Regulatory information

- Poisons Schedule: Not Scheduled

16. Other Information

- Date of preparation or last revision of SDS: Issue Date: 10/10/2014
  - Supersedes issue Date: Not applicable.
  - Reason(s) for issue: First issue.
  - Safe Work Australia, Code of Practice for Preparation of Safety Data Sheets for Hazardous Chemicals. [December 2011]
  - Safe Work Australia - Guidance on the Classification of Hazardous Chemicals Under the WHS Regulations. [April 2012]
  - Model Work Health and Safety (WHS) Regulations, 2011
  - List available online, URL: http://www.hsis.safeworkaustralia.gov.au/
  - In conjunction with Safe Work Australia's 'Workplace Exposure Standards for Airborne Contaminants'
  - SUSMP, Standard for the Uniform Scheduling of Medicines and Poisons
  - ADG, Australian Dangerous Goods Code
  - IATA Dangerous Goods Regulations, International Air Transport Association
  - SDS of component materials

- Contact Person/Point: This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorized use of this information or for any modified or altered versions.

  If you are an employer it is your duty to tell your employees, and any others
Infosafe No™ 5FVKM  Issue Date : October 2019  ISSUED by FUCHS
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Not classified as hazardous
that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.
...End Of MSDS...