Safety Data Sheet

Janus Chemicals

Page: 1 of 5

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

Product Name  JCB HYDRAULIC FLUID EP 46

Not classified as hazardous

1. Identification

GHS Product Identifier
JCB HYDRAULIC FLUID EP 46

Product Code
4591

JCB Product Code: 4002/1605C

Company Name
JCB Construction Equipment Australia

Address
13 Yagine Close,
Perth Airport
WA 6105
Australia

Emergency phone number
Tel: 1300 522 232

1300 522 232. After Hours: +61 400 229 218.

Emergency phone number

Recommended use of the chemical and restrictions on use
Supplied as a high performance high viscosity index HVLP hydraulic oils for use in suitable applications only.

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

2. Hazard Identification

GHS classification of the substance/mixture
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>CAS</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil</td>
<td>&gt;60%</td>
<td></td>
</tr>
<tr>
<td>Other ingredients</td>
<td>To 100%</td>
<td></td>
</tr>
<tr>
<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. If symptoms develop seek medical attention.

Ingestion
DO NOT induce vomiting. Rinse mouth thoroughly with water. If symptoms develop seek medical attention.

Skin
Remove contaminated clothing and wash skin thoroughly with soap and water. If symptoms develop seek medical attention. If material is injected under skin, seek medical attention to prevent serious damage. Do not wait for symptoms to develop.

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. Subcutaneous injection from high-pressure equipment can leave a small, sometimes bloodless, puncture wounds deep into the extremity. Within 24 hours, there is usually extensive swelling, discoloration and intense pain in the affected part. Requires immediate treatment at a surgical emergency centre, otherwise disfigurement of affected part may occur.

Treatment of high pressure wounds may include:
1. Surgical decompression, debridement, and drainage.
2. Broad-spectrum antibiotic and
3. Anti-inflammatory medication.
5. Fire-fighting measures

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

Unsuitable extinguishing media: Straight streams of water.

Hazards from Combustion: Combustion products may include oxides of carbon, nitrogen, phosphorous and sulphur as well as unidentified organic and inorganic compounds.

Special Protective Equipment for fire fighters: Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Specific hazards arising from the chemical: No special hazards arising from the use of the product.

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).

Environmental Precautions: Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/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).

Biological Limit Values: Oil mist - TWA 5mg/m3, STEL 10mg/m3

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 blue liquid
**Odour**: Characteristic
**Boiling Point**: >300°C/typical
**Solubility in Water**: Insoluble
**pH**: Not applicable
**Vapour Pressure**: Not available
**Vapour Density (Air=1)**: Not available
**Pour Point**: -37°C/typical
**Density**: 0.87 @ 15°C/typical
**Flash Point**: 225°C/typical
**Flammability**: Combustible
**Flammable Limits - Lower**: Not determined
**Flammable Limits - Upper**: Not determined
**Kinematic Viscosity**: 46 cSt @ 40°C/typical
8.5 cSt @ 100°C/typical

10. 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.

11. Toxicological Information

**Toxicology Information**: No toxicology data available for this product.
**Ingestion**: Not normally considered to be a hazard by ingestion at appropriate usage. Ingestion may cause slight stomach irritation and discomfort.
**Inhalation**: Not normally considered to be a hazard due to the non-volatile nature of the product. Inhalation of oil mist/vapour from heated material may cause irritation of the upper respiratory system.
**Skin**: Contact with skin may result in irritation. Prolonged or repeated skin contact may cause defatting.
**Eye**: May cause slight eye irritation.
**Respiratory sensitisation**: Not considered to be a respiratory sensitiser.
**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.
Infosafe No™ 5FVLM  
Issue Date: October 2019  
ISSUED by FUCHS

Product Name: JCB HYDRAULIC FLUID EP 46

Not classified as hazardous

<table>
<thead>
<tr>
<th>Reproductive Toxicity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>STOT-single exposure</td>
<td>Not expected to cause toxicity to a specific target organ.</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>Not expected to cause toxicity to a specific target organ.</td>
</tr>
</tbody>
</table>

Aspiration Hazard

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 and skin contact avoided as far as possible.

12. Ecological information

Ecotoxicity

No data is available for this product.

Persistence and degradability

No data is available for this product.

Mobility

No data is available for this product.

Bioaccumulative Potential

No data is available for this product.

Environmental Protection

Do not allow product to enter drains, waterways or sewers.

Sewage Treatment

No data is available for this product.

13. Disposal considerations

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

14. Transport information

Transport Information

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG).

UN Number (Air Transport, ICAO)

Not regulated for air transport according to International Air Transport Association (IATA) Dangerous Goods Regulations.

IMDG UN No

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: 24/10/2014

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


* Guidance on the Interpretation of Workplace Exposure Standards for Airborne Contaminants, 2013

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

* IMDG Code, International Maritime Dangerous Goods Code
JCB HYDRAULIC FLUID EP 46

Not classified as hazardous

* IATA Dangerous Goods Regulations, International Air Transport Association
* SDS of component materials

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 unauthorised 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 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...