

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

Telephone/Fax Number Tel: 1300 522 232

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

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.
Not classified as dangerous goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Mineral oil		>60%
	Other ingredients determined not to be hazardous		To 100%

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, discolouration 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.

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Most important symptoms/effects, acute and delayed Refer to section 11.

5. Fire-fighting measures

Suitable extinguishing media Use CO2, dry chemical or foam.

Unsuitable Extinguishing Media Straight streams of water.

Hazards from Combustion Products 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

Exposure Controls, Personal Protection The following Australian and New Zealand Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Industrial Clothing: AS2919, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

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.

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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 Products	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.

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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 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

Disposal Considerations	Dispose of waste according to federal, EPA, state and local regulations.
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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
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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.
Literature References	<ul style="list-style-type: none"> * 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 * United Nations - Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Third revised edition. [2009] * Managing Risks of Hazardous Chemicals in the Workplace, Code of Practice 2012. [Model Code of Practice] * Workplace Exposure Standards for Airborne Contaminants, 2011 (Archived). List available online, URL - http://www.hsis.safeworkaustralia.gov.au/ * Guidance on the Interpretation of Workplace Exposure Standards for Airborne Contaminants, 2013 <p>In conjunction with Safe Work Australia's 'Workplace Exposure Standards for Airborne Contaminants'</p> <ul style="list-style-type: none"> * SUSMP, Standard for the Uniform Scheduling of Medicines and Poisons * ADG, Australian Dangerous Goods Code * IMDG Code, International Maritime Dangerous Goods Code



Safety Data Sheet

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Contact Person/Point

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

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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.

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