

KR Saws Hydraulic Oil 46

SECTION 1	IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING
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| 1.1 | Product Identifier | KR Saws Hydraulic Oil 46 |
| | Product Code | Oil 46 |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | Hydraulic oil.
Do not use in any other application. |
| 1.3 | Company | KR Saws Limited
Unit A2 Abbey Ind Est
Bodmin Road,
Coventry, CV2 5DB |
| 1.4 | Emergency Telephone Number | +44 (0) 2476 610907 (Monday – Friday 08.30 – 17.00 hrs GMT) |
| 1.5 | Other Information | Preparation Date: 03/04/2014 |

SECTION 2	HAZARD IDENTIFICATION
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| 2.1 | Classification of the substance or mixture | Not classified as hazardous in accordance with CLP (EC 1272/2008) and DPD (1999/45/EC) |
| 2.2 | Label Elements | No labelling required
(P102) Keep out of reach of children
(P280) Wear protective gloves/protective clothing/eye protection/face protection |
| 2.3 | Other Hazards | Not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 DMSO test. |

SECTION 3	COMPOSITION/ INFORMATION ON INGREDIENTS
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| 3.2 | Mixtures Component | EC No. | REACH Reg. No. | GHS Classification | DSD Classification | Conc. % |
| No hazardous ingredients present at a concentration at or exceeding the Declaration of Content Limit | | | | | | |

SECTION 4	FIRST AID MEASURES
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| 4.1 | Description of first aid measures | |
| | Inhalation | If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice. |
| | Eyes | Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists. |
| | Skin | Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin. |
| | Ingestion | If contamination of the mouth occurs, wash out thoroughly with water.
Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice. |
| 4.2 | Most important symptoms and effects, both acute and delayed | No ill effects known |
| 4.3 | Indication of immediate medical attention and special treatment needed, if necessary | Eye contact: immediately wash out with plenty of water |

SECTION 5	FIRE-FIGHTING MEASURES
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| 5.1 | Extinguishing media | Foam, carbon dioxide or dry chemical. Water can be used to cool and protect exposed material. |
| 5.2 | Specific hazards arising from the substance or mixture | Toxic fumes, gases or vapours may be evolved on burning. Vapours may be heavier than air and may travel along the ground to a distant ignition source and flash back. See Stability and Reactivity, Section 10 of this Safety Data Sheet. |
| 5.3 | Advice for fire-fighters | Wear self-contained breathing apparatus. Water may cause splattering. |

SECTION 6	ACCIDENTAL RELEASE MEASURES
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| <p>6.1 Personal precautions, protective equipment and emergency procedures</p> <p>6.2 Environmental precautions</p> <p>6.3 Methods and material for containment and cleaning up</p> <p>6.4 Reference to other sections</p> | <p>Immediately evacuate all personnel from danger area. Wear Personal Protective Equipment. Eliminate all sources of heat, sparks, pilot lights, static electricity and open flames. Spilled material may make surfaces slippery.</p> <p>Protect drains from potential spills to minimise contamination. Do not wash product into drainage system.</p> <p>In the case of large spills contact the appropriate authorities. In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies.</p> <p>Absorb into dry earth or sand. Protect drains using drain covers. Dispose of as hazardous waste.</p> <p>Personal protective equipment: See section 8</p> |
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SECTION 7	HANDLING AND STORAGE
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| <p>7.1 Precautions for safe handling</p> <p>7.2 Conditions for safe storage, including any incompatibilities</p> <p>7.3 Specific end use(s)</p> | <p>Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Avoid frequent or prolonged skin contact with fresh or used product.</p> <p>Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact. Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.</p> <p>Use a suitable barrier cream at regular intervals.</p> <p>Keep out of the reach of children.</p> <p>Store under cover away from heat and sources of ignition.</p> <p>Intended for use as a hydraulic oil.</p> |
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SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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| 8.1 Control parameters | | | | |
| Country | Substance | Long Term (8 Hours TWA) | Short Term (15 Mins) | |
| 8.2 Exposure controls | <p>Use local exhaust ventilation to control mists or vapours.</p> <p>Hand Protection: Nitrile or neoprene protective gloves</p> <p>Eye Protection: Safety glasses</p> <p>Skin Protection: Protective clothing</p> <p>Hygiene Measures: Wash thoroughly after handling this product</p> | | | |

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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9.1 Information on basic physical and chemical properties Does not constitute a specification

Typical Values		
Grades:	Units	KR Saws Hydraulic Oil 46
Appearance		Amber Liquid
Odour		Oily
Odour Threshold		No data available
pH		Not applicable
Pour point/range	°C	-30
Initial boiling point and range	°C	No data available
Flash point (COC)	°C	220
Flammability		Not flammable
Upper/lower flammability or explosive limits		Not applicable
Vapour pressure	kPa (0.1 mm Hg)	No data available
Relative density	kg/m ³	0.881 @ 20°C
Solubility		Insoluble
- water		Soluble
- Fat/solvents		Not applicable
Partition coefficient n-octanol/water	Log Pow	No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity	mm ² /s	46.03 @ 40°C
Evaporation rate		Not applicable
Vapour density		Not applicable
Explosive properties		Not applicable
Oxidising properties		None

9.2 Other Information None

SECTION 10	STABILITY AND REACTIVITY
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10.1 Reactivity	No dangerous reactions known
10.2 Chemical stability	Stable under normal conditions of use
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	Avoid high temperatures and strong oxidising agents
10.5 Incompatible materials	Avoid contact with strong oxidising agents
10.6 Hazardous decomposition products	Thermal decomposition products will vary with conditions. Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, including carbon monoxide.

SECTION 11	TOXICOLOGICAL INFORMATION
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11.1 Information on toxicological effects

Acute Toxicity

- **Oral** No toxic components present at levels to cause classification.
- **Inhalation** No toxic components present at levels to cause classification.
- **Dermal** No toxic components present at levels to cause classification.

Corrosivity/Irritation

- **Eye** No components present that are classified as eye irritants.
- **Skin** No components present that are classified as skin irritants but may cause skin irritation due to de-fatting effect on skin.

- **Respiratory Tract Sensitisation** No components present that are classified as respiratory irritants.

- **Skin** No evidence of sensitisation effects.
- **Respiratory** No evidence of sensitisation effects.

Repeated-dose Toxicity No data available.

Mutagenicity No evidence of mutagenicity.

Carcinogenicity No evidence of carcinogenicity.

Reproductive Toxicity No evidence of reproductive toxicity.

SECTION 12	ECOLOGICAL INFORMATION
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12.1 Toxicity Not classified as dangerous for the environment. No ecotoxic chemicals present.

12.2 Persistence and Degradability Not biodegradable.

12.3 Bioaccumulative Potential No data available.

12.4 Mobility in Soil Spillages may penetrate the soil causing ground water contamination. Non-volatile.

12.5 Results of PBT and vPvB Assessment No PBT or vPvB chemicals present.

12.6 Other Adverse Effects None known.

SECTION 13	DISPOSAL CONSIDERATIONS
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13.1 Waste Treatment Methods

Where possible, arrange for product to be recycled.
 Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.
 Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.

SECTION 14	TRANSPORT INFORMATION
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Not classified as hazardous for transport (ADR, RID, UN , IMO, IATA/ICAO).

SECTION 15	REGULATORY INFORMATION
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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations.

15.2 Chemical Safety Assessment No formal chemical safety assessment has been carried out.

SECTION 16	OTHER INFORMATION
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Fifth Issue – Revised as required under REACH – (03/04/2014)

Fourth version December 2011: Changed composition information
 Previous Issue July 2011: Changed to Reach version 2 format