

# KAST 5w30 Fully Synthetic - FORD EEP40

<b>SECTION 1</b>	<b>IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING</b>
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<b>1.1 Product Identifier</b>	KAST 5w30 Fully Synthetic - FORD EEP40
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	Fully synthetic, fuel efficient multi-grade engine oil. Do not use in any other application.
<b>1.3 Company</b>	MicksGarage.com, Unit 50, Park W Rd, Park West Industrial Park, Dublin 12, Ireland
<b>1.4 Emergency Telephone Number</b>	+353 1 440 6603 (Monday – Friday 09.00 – 17.00 hrs GMT)
<b>1.5 Other Information</b>	Preparation Date: 23/03/2015

<b>SECTION 2</b>	<b>HAZARD IDENTIFICATION</b>
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<b>2.1 Classification of the substance or mixture</b>	Not classified as hazardous in accordance with CLP (EC 1272/2008) and DPD (1999/45/EC)
<b>2.2 Label Elements</b>	No labelling required
<b>2.3 Other Hazards</b>	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.

<b>SECTION 3</b>	<b>COMPOSITION/ INFORMATION ON INGREDIENTS</b>
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3.2 Mixtures Component	EC No.	REACH Reg. No.	GHS Classification	DSD Classification	Conc. %
Zinc alkyl dithiophosphate	272-028-3	Not Available	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411	Xi; R38, R41 N; R51/53	<1.5
Calcium long chain alkyl salicylate	Polymer	Not Available	Aquatic Chronic 3; H412	R52/53	<1.5

<b>SECTION 4</b>	<b>FIRST AID MEASURES</b>
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<b>4.1 Description of first aid measures</b>	
<b>Inhalation</b>	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.
<b>Eyes</b>	Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.
<b>Skin</b>	Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.
<b>Ingestion</b>	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.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	No ill effects known
<b>4.3 Indication of immediate medical attention and special treatment needed, if necessary</b>	Eye contact: immediately wash out with plenty of water

<b>SECTION 5</b>	<b>FIRE-FIGHTING MEASURES</b>
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<b>5.1 Extinguishing media</b>	Foam, dry powder or water fog. Water can be used to cool and protect exposed material.
<b>5.2 Specific hazards arising from the substance or mixture</b>	Toxic fumes may be evolved on burning or exposure to heat. See Stability and Reactivity, Section 10 of this Safety Data Sheet.
<b>5.3 Advice for fire-fighters</b>	Wear self-contained breathing apparatus. Water may cause splattering.

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<b>SECTION 6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | 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.  |
| <b>6.2 Environmental precautions</b>   | Protect drains from potential spills to minimise contamination. Do not wash product into drainage system.<br>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. |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Absorb into dry earth or sand. Protect drains using drain covers. Dispose of as hazardous waste.  |
| <b>6.4 Reference to other sections</b>   | Personal protective equipment: See section 8  |

<b>SECTION 7</b>	<b>HANDLING AND STORAGE</b>
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| <b>7.1 Precautions for safe handling</b>                                | 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.<br>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.<br>Use a suitable barrier cream at regular intervals. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> | Keep out of the reach of children.   |
| <b>7.3 Specific end use(s)</b>  | Store under cover away from heat and sources of ignition.<br>Intended for use as a fully synthetic, fuel efficient multi-grade engine oil.   |

<b>SECTION 8</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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| <b>8.1 Control parameters</b> |  |   |                      |  |
| Country                       | Substance  | Long Term (8 Hours TWA)                     | Short Term (15 Mins) |  |
| None                          |  |   |                      |  |
| <b>8.2 Exposure controls</b>  | Use local exhaust ventilation to control mists or vapours. |   |                      |  |
|                               | <b>Hand Protection:</b>                                    | Nitrile or neoprene protective gloves       |                      |  |
|                               | <b>Eye Protection:</b>                                     | Safety glasses                              |                      |  |
|                               | <b>Skin Protection:</b>                                    | Protective clothing                         |                      |  |
|                               | <b>Hygiene Measures:</b>                                   | Wash thoroughly after handling this product |                      |  |

<b>SECTION 9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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| <b>9.1 Information on basic physical and chemical properties</b> | Does not constitute a specification |
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**Typical Values**

<b>Grades:</b>		KAST 5w30 Fully Synthetic - FORD EEP40
	<b>Units</b>	
<b>Appearance</b>		Amber Liquid
<b>Odour</b>		Mild
<b>Odour Threshold</b>		No data available
<b>pH</b>		Not applicable
<b>Pour point/range</b>	°C	-38
<b>Initial boiling point and range</b>	°C	No data available
<b>Flash point (COC)</b>	°C	235
<b>Flammability</b>		Not flammable
<b>Upper/lower flammability or explosive limits</b>		Not applicable

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Vapour pressure	kPa (0.1 mm Hg)	No data available
Relative density	kg/m <sup>3</sup>	0.864 @ 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		66.51 @ 40°C
Viscosity	mm <sup>2</sup> /s	11.29 @ 100°C
	mm <sup>2</sup> /s	Not applicable
Evaporation rate		Not applicable
Vapour density		Not applicable
Explosive properties		Not applicable
Oxidising properties		None

9.2 Other Information                      TBN = 8.03 mg KOH/g

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

<b>SECTION 11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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<b>11.1 Information on toxicological effects</b>	
<b>Acute Toxicity</b>	
- 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.
<b>Corrosivity/Irritation</b>	
- 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	No components present that are classified as respiratory irritants.
<b>Sensitisation</b>	
- Skin	No evidence of sensitisation effects.
- Respiratory	No evidence of sensitisation effects.
<b>Repeated-dose Toxicity</b>	No data available.
<b>Mutagenicity</b>	No evidence of mutagenicity.
<b>Carcinogenicity</b>	No evidence of carcinogenicity.
<b>Reproductive Toxicity</b>	No evidence of reproductive toxicity.

<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
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<b>12.1 Toxicity</b>	Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired
<b>12.2 Persistence and Degradability</b>	Not biodegradable.
<b>12.3 Bioaccumulative Potential</b>	There is no evidence to suggest bioaccumulation will occur.
<b>12.4 Mobility in Soil</b>	Spillages may penetrate the soil causing ground water contamination. Non-volatile.

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**12.5 Results of PBT and vPvB Assessment**

No PBT or vPvB chemicals present.

**12.6 Other Adverse Effects**

None known.

<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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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.

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

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
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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.

<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
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Third Issue

Second Issue March 2013: Changed to new format.

Previous version September 2009: Changed to Reach version 2 format

**Full text of classification data in sections 2 and 3**

Skin Irrit. 2; H315

Skin corrosion/irritation, Hazard Category 2; Causes skin irritation

Eye Dam. 1; H318

Serious eye damage/eye irritation, Hazard Category 1; Causes serious eye damage.

Aquatic Chronic 2; H411

Hazardous to the aquatic environment, long-term hazard, Hazard Category 2; Toxic to aquatic life with long lasting effects

Aquatic Chronic 3; H412

Hazardous to the aquatic environment, long-term hazard, Hazard Category 3; Harmful to aquatic life with long lasting effects

Xi; R38

Irritating to skin

Xi ; R41

Risk of serious damage to the eyes.

N ; R51/53

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

R52/53

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment



SAFETY  
DATA SHEET

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