SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture: Automatic Transmission Oil AG5 V
Registration number: -
Synonyms: None.
SDS number: 7631
Product code: Ford Internal Ref.: 136703
Issue date: 03-December-2014
Version number: 2.0
Revision date: 03-December-2014
Supersedes date: 03-December-2014
Product use: Public use

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Transmission oil
Uses advised against: None known.

1.3. Details of the supplier of the safety data sheet

Company name: Ford Motor Company Ltd.
Address: Parts Distribution Centre
Royal Oak Way South
NN11 8NT Daventry, Northants
United Kingdom
Telephone number: +44 1327 305 198

Address: Ford-Werke GmbH
Edsel-Ford-Str. 2-14
50769 Köln
Germany
Telephone number: +49 221 90-33333
E-mail: HSE@rle.de

1.4 Emergency telephone number: +49 (0) 6132-84463 (GBK GmbH – 24/7)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

This preparation does not meet the criteria for classification according to Directive 1999/45/EC as amended.

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms: None.
Signal word: None.
Hazard statements: None.

Precautionary statements

Prevention: None.
Response: None.
Storage: None.
Disposal: None.

Supplemental label information

EUH208 - Contains Ethanol, 2,2'-iminobis-, N-tallow Alkyl Derivs.. May produce an allergic reaction. EUH210 - Safety data sheet available on request.

2.3. Other hazards

The mixture contains no substance that fulfils the criteria of a PBT- or vPvB substance.
SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>%</th>
<th>CAS-No. / EC No.</th>
<th>REACH Registration No.</th>
<th>Index No.</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</td>
<td>45 - 55</td>
<td>72623-87-1, 276-738-4</td>
<td>-</td>
<td>649-483-00-5</td>
<td>Note L, UVCB</td>
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<td>Carc. Cat. 2;R45</td>
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</tr>
<tr>
<td>CLP:</td>
<td>Carc. 1B;H350</td>
<td></td>
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</tr>
<tr>
<td>DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC</td>
<td>20 - 30</td>
<td>64742-65-0, 265-169-7</td>
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<tr>
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<td>Carc. 1B;H350</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based</td>
<td>10 - 20</td>
<td>72623-86-0, 276-738-9</td>
<td>-</td>
<td>649-482-00-X</td>
<td>Note L, UVCB</td>
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<tr>
<td>DSD:</td>
<td>Carc. Cat. 2;R45</td>
<td></td>
<td></td>
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<tr>
<td>CLP:</td>
<td>Carc. 1B;H350</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Distillates (petroleum), hydrotreated light naphthenic</td>
<td>3 - 7</td>
<td>64742-53-6, 265-156-6</td>
<td>-</td>
<td>649-466-00-2</td>
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<td>Carc. 1B;H350</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethanol, 2,2'-iminobis-, N-tallow Alkyl Derivs.</td>
<td>0.1 - &lt; 0.5</td>
<td>61791-44-4, 263-177-5</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Classification:</td>
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<td></td>
</tr>
<tr>
<td>DSD:</td>
<td>C2;R34, Xn;R22, R43, N;R50</td>
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<tr>
<td>CLP:</td>
<td>Met. Corr. 1;H290, Acute Tox. 4;H302, Skin Corr. 1;H314, Skin Sens. 1;H317, Aquatic Acute 1;H400</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

List of abbreviations and symbols that may be used above:
DSD: Directive 67/548/EEC.
Note: Regulation No. 1272/2008 - Annex VI
UVCB: Substances of Unknown or Variable composition, Complex reaction products or Biological materials
Composition comments The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information Not available.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed May cause allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards Not available.
5.1. Extinguishing media

Suitable extinguishing media
- Water fog
- Foam
- Dry chemical powder
- Carbon dioxide (CO2)

Unsuitable extinguishing media
- Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire may produce irritating, corrosive and/or toxic gases. Dangerous fumes in case of fire: Carbon monoxide (CO), Nitrous gases (NOx)

5.3. Advice for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special protective equipment for firefighters
- Do not enter storage areas or confined spaces unless adequately ventilated. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Specific methods
- Move containers from fire area if you can do so without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
- Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). For personal protection, see section 8.

For emergency responders
- Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Contact local authorities in case of spillage to drain/aquatic environment. Collect and dispose of spillage as indicated in section 13.

6.3. Methods and material for containment and cleaning up

Clean surface thoroughly to remove residual contamination. Clean up in accordance with all applicable regulations. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dispose in accordance with all applicable regulations.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Avoid prolonged or repeated contact with skin. Use this product with adequate ventilation. Take measures to prevent the build up of electrostatic charge. Do not puncture, incinerate or crush. Do not taste or swallow.
- Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

7.2. Conditions for safe storage, including any incompatibilities

- Store in original tightly closed container. Use appropriate container to avoid environmental contamination. Store in accordance with local/regional/national/international regulation. Use care in handling/storage.

7.3. Specific end use(s)

- Transmission oil

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

- Occupational exposure limits: No exposure limits noted for ingredient(s).
- Biological limit values: No biological exposure limits noted for the ingredient(s).
- Recommended monitoring procedures: Follow standard monitoring procedures.
- Derived no-effect level (DNEL): Not available.
- Predicted no effect concentrations (PNECs): Not available.

8.2. Exposure controls

- Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

- Individual protection measures, such as personal protective equipment
  - General information: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
  - Eye/face protection: If contact is likely, safety glasses with side shields are recommended.
  - Skin protection: 

Material name: Automatic Transmission Oil AG5 V
Ford Internal Ref.: 136703 Version #: 2.0 Revision date: 03-December-2014 Issue date: 03-December-2014
- Hand protection

Nitrile rubber

Glove thickness 0.4 mm.
Break through time >= 480 min.

Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.

Hand protection in case of splash contact: Nitrile rubber

Glove thickness 0.4 mm.
Break through time >= 480 min.

Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.

The protective gloves to be used must comply with the specification of EU directive 89/686/EC and the resultant standard EN374. The above given information is based on laboratory test in line with EN374. The recommendation is only valid for the supplied product and the stated application. Special working conditions, like heat or mechanical strain, which deviate from the test conditions, can reduce the protective effect provided by the recommended glove.

- Other

Respiratory protection
Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

Hygiene measures
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls
Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Red</td>
</tr>
<tr>
<td>Odour</td>
<td>Hydrocarbon-like</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not available</td>
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<tr>
<td>pH</td>
<td>Not applicable</td>
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<tr>
<td>Melting point/freezing point</td>
<td>Not available</td>
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<tr>
<td>Initial boiling point and boiling range</td>
<td>315 °C (599 °F)</td>
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<tr>
<td>Flash point</td>
<td>Not available</td>
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<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
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</tbody>
</table>

Upper/lower flammability or explosive limits

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability limit - lower (%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limit - upper (%)</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Vapour pressure > 0.01 mm Hg (@ 37.8 °C)

Vapour density < 1

Relative density Not available.

Solubility(ies)

<table>
<thead>
<tr>
<th>Solubility (water)</th>
<th>Insoluble</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solubility (other)</td>
<td>Hydrocarbons Soluble</td>
</tr>
</tbody>
</table>

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.
Viscosity 30 - 40 mm²/s (@ 40 °C)
Explosive properties Not available.
Oxidizing properties Not available.
9.2. Other information
Density 0.86 (@ 15 °C)
VOC (EU) not applicable
VOC (CH) < 3 %

SECTION 10: Stability and reactivity
10.1. Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability Material is stable under normal conditions.
10.3. Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid Contact with incompatible materials.
10.5. Incompatible materials Avoid contact with oxidising agents (e.g. nitric acid, peroxides and chromates). Strong acids.
10.6. Hazardous decomposition products No hazardous decomposition products are known.

SECTION 11: Toxicological information
General information Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure
Inhalation Not available.
Skin contact May cause an allergic skin reaction.
Eye contact Not available.
Ingestion Not available.
Symptoms May cause an allergic skin reaction.
11.1. Information on toxicological effects
Acute toxicity Based on available data, the classification criteria are not met.
Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation Based on available data, the classification criteria are not met.
Respiratory sensitisation Based on available data, the classification criteria are not met.
Skin sensitisation Based on available data, the classification criteria are not met.
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
CAS 72623-87-1: Note L is applicable (DMSO <3%), therefore no classification as carcinogen
CAS 64742-65-0: Note L is applicable (DMSO <3%), therefore no classification as carcinogen
CAS 72623-86-0: Note L is applicable (DMSO <3%), therefore no classification as carcinogen
CAS 64742-53-6: Note L is applicable (DMSO <3%), therefore no classification as carcinogen
Reproductive toxicity Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.
Aspiration hazard Based on available data, the classification criteria are not met.
Mixture versus substance information No information available.
Other information Not available.

SECTION 12: Ecological information
12.1. Toxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
12.2. Persistence and degradability No data is available on the degradability of this product.
12.3. Bioaccumulative potential No data available.
Partition coefficient n-octanol /water (log Kow) Not available.
Bioconcentration factor (BCF) Not available.
12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
The mixture contains no substance that fulfils the criteria of a PBT- or vPvB substance.

12.6. Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Residual waste
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

EU waste code
The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

13 02 05
15 01 10

Disposal methods/information
Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Special precautions
Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulations
Not applicable.

Restrictions on use
Not applicable.

Other regulations
The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. The product does not need to be labelled in accordance with EC directives or respective national laws.

Other EU regulations
Not applicable.

National regulations
Follow national regulation for work with chemical agents.

VOC (EU):
not applicable

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

Water hazard class
VwVwS (According to Annex IV)
WGK3

SECTION 16: Other information

List of abbreviations
Not available.

References
Not available.

Information on evaluation method leading to the classification of mixture
The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15
R22 Harmful if swallowed.
R34 Causes burns.
R43 May cause sensitisation by skin contact.
R45 May cause cancer.
R50 Very toxic to aquatic organisms.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H350 May cause cancer.
H400 Very toxic to aquatic life.

Revision information
SECTION 2: Hazards identification: Hazard statements
Composition / Information on Ingredients: Ingredient Classification
SECTION 8: Exposure controls/personal protection: - Hand protection
Physical & Chemical Properties: Multiple Properties

Training information
Follow training instructions when handling this material.

Disclaimer
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
## Attachment to the Safety Data Sheet

**Product Name:** Automatic Transmission Oil AG5 V  
**Ford Int. Ref. No.:** 136703  
**Print Date:** 03.12.2014

### Involved Products:

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<tr>
<th>Finiscode</th>
<th>Part number</th>
<th>Container Size</th>
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<tbody>
<tr>
<td>1 197 785</td>
<td>YM2J 19A509 AA</td>
<td>1 l</td>
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</table>

136703 H / GBEN