Material Safety Data Sheet

ATF DEXRON II

Date Prepared: 1st Feb 2014

1. Identification of the Substance/Preparation and the Company/Undertaking

Substance or Preparation Trade Name: Automatic Transmission Fluid (ATF) Dexron II

2. Hazards Identification

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.

3. Composition

3.2 Mixtures

Ingredients	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

4. First Aid Measures

Ingestion:	Do not induce vomiting. If conscious give 2 glasses of water and seek immediate medical attention.
Eye Contact:	Ensure contact lenses are removed before rinsing. Wash eyes with plenty of water while lifting the eye lids and continue for 15 minutes. Seek medical attention if irritation develops.
Skin Contact:	Remove contaminated clothing. Wash the skin with soap and water. Get medical attention if irritation or discomfort persists. Launder contaminated clothing before re-use and discard shoes or other leather articles that may have been saturated with the material.
Inhalation:	Remove victim immediately to fresh air. If symptoms persist seek medical attention.
Additional Information:	Note to Physician: Treat symptomatically.

5. Fire Fighting Measures

Flash Point:	210°C typical (COC)
Extinguishing Media:	Stop flow of material to fire. Extinguish using Carbon Dioxide, Dry powder or Foam. Water may cause splattering, but could be used to keep fire-exposed containers cool and to disperse vapours.
Special Fire Fighting Procedures:	Toxic fumes, gases or vapours may evolve on burning. Avoid breathing fire vapours. If possible use self-contained breathing equipment. Material will float on

	water. Aim to prevent run-off water from getting into sewers and water sources.

6. Accidental Release Measures

Spill Procedure:	Stop leak at source if possible without risk. Extinguish all ignition sources; avoid sparks, flames, heat and smoking. Personal Protective Equipment (PPE) must be worn. Ventilate area if spillage occurred in a confined or poorly ventilated area. Collect free liquid for recycling or disposal. Absorb residual spillages using inert absorbent material and place into plastic containers for disposal
Environmental Precautions:	Protect drains by covering to avoid any spillage entering the drainage system. If any contamination of the drainage system occurs inform the local authorities, Fire Brigade and Environment Agency.
Disposal of Spillage Waste:	Consult local authority regulations or waste disposal experts if in doubt

7. Handling and Storage

Handling:	Protect against contact with eyes. If splashing is likely to occur wear a full face visor or safety goggles as appropriate. Avoid frequent or prolonged skin contact with fresh or used product. Avoid breathing mists or vapours and wash hands after contact.
Fire Prevention:	Product soaked rags, paper or absorbent material represent a fire hazard and should not be allowed to accumulate.
Storage:	Avoid undue exposure to heat and ignition sources. Store in tightly sealed original containers in a cool, dry and well ventilated location.

8. Exposure Controls / Personal Protection

Exposure Limits:	None established
Control Measures:	Use only in well ventilated areas. If engineering controls do not reduce airborne vapours to an acceptable level, use suitable respiratory equipment
Hand Protection:	Wear chemical resistant gloves made from impermeable material, (e.g. neoprene).
Eye Protection:	Wear approved safety goggles or safety glasses.
Respiratory Protection:	Under normal conditions respirators is not required, but if deemed necessary use an approved dust/mist mask.
Body Protection:	Wear PPE issue work clothes and chemically resistant safety shoes.

9. Physical and Chemical Properties

Physical State:	Red liquid
pH:	Not determined
Specific Gravity:	0.869 at 15°C
Solubility:	Insoluble in water.
Odour:	Mild
Viscosity:	Approx. 34 cSt at 40°C Approx. 6.8 cSt at 100°C
Boiling Point:	Not determined
Pour Point:	-37°C

10. Stability and Reactivity

Stability:	Material is normally stable at moderately elevated temperatures and pressures
Incompatibility:	None known, avoid contact with reactive chemicals
Polymerisation:	Will not occur
Thermal Decomposition Products:	Releases smoke, oxides of carbon and other products of incomplete combustion. Hydrogen sulphide, alkyl mercaptans and sulphides may also be released.

11. Toxicological Information

Materials used have been shown to be of low toxicity, but best practice dictates that prolonged exposure and contact should be avoided.

Eye Irritation:	Unlikely to cause more than transient stinging or reddening if accidental eye contact occurs.
Skin Irritation:	Not expected to be a primary skin irritant*. Prolonged or repeated skin contact may lead to dermatitis.
Respiratory Irritation:	Prolonged exposure to oil mists / vapours may cause irritation of mucous membranes and the upper respiratory tract.*.
Dermal Toxicity:	LD50 > 2000 mg/kg* (rabbits)
Inhalation Toxicity:	No data to suggest product may be a toxic inhalation hazard
Oral Toxicity:	LD50 > 5000 mg/kg* (rats)
Dermal Sensitization:	No data available to indicate product or components may be a skin sensitizer
Inhalation Sensitization:	No data available to indicate product or components may be respiratory sensitizers
Chronic Toxicity:	No data available to indicate product or components present at greater than 1.0% are chronic health hazards
Carcinogenicity:	No data available to indicate product or components present at greater than 0.1% may present a carcinogenic hazard
Reproductive Toxicity:	No data available to indicate product or components present at greater than 0.1% may cause reproductive toxicity
Teratogenicity:	No data available to indicate product or components present at greater than 0.1% may cause birth defects
Other:	No other health hazards known Contains mineral oil. Under working conditions which may generate mists observe the US OSHA PEL of 5 $mg.m^{-3}$ and ACGIH STEL of 10 $mg.m^{-3}$

* Based on data from components used or similar materials

12. Ecological Information

Water:	Material floats on water. Individual components range from readily to poorly biodegradable, however small spillages into water will be dispersed by evaporation and/or biodegradation.
Soil:	Small quantities will be absorbed into the upper soil layers where biodegradation may take place. Larger quantities may penetrate to anaerobic soil layers where some organic compounds may persist.
Aquatic Toxicity:	May be harmful to aquatic organisms. Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer may also be impaired.

13. Disposal Considerations

This material may be disposed of via an authorised waste/disposal company in accordance with Local and/or National Waste Disposal regulations and the Environmental Protection Act, 1990. Where possible, arrange for material to be recycled.

14. Transport Information

UN Number:	Not Applicable
IMDG:	Not Applicable
ICAO:	Not Applicable
ADR/RID Hazard:	Not Applicable

15. Regulatory Information

Hazard Label Data:	This product is not classified as dangerous for supply in the UK
EC Directives:	Framework Waste Directive, 91/156/EEC Waste Oil Directive 87/101/EEC
Statutory Instruments:	Health & Safety at Work Act, 1974 Consumer Protection Act, 1987 Environmental Protection Act, 1990 Control of Substances Hazardous to Health, 1988 Chemicals (Hazard Information and Packaging) Regulations, 1993

16. Other Information

The information given applies when the material is used for the stated application(s) for which it is designed. Use of this material for purposes other than as stated may give rise to risks not mentioned in this sheet.

If purchased for supply to a third party it is your duty to take all necessary steps to ensure that any person handling or using this product is provided with the information provided in this sheet. If you are an employer it is your duty to tell employees and any other persons who may be affected of any hazards described in this sheet and of all precautions which should be taken.