SAFETY DATA SHEET

Autotrans DCT

Product Code: A043

SECTION 1 IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING

1.1	**Product Identifier**	Autotrans DCT
	Product Code	A043
1.2	**Relevant identified uses of the substance or mixture and uses advised against**	Automotive transmission fluid. Do not use in any other application.
1.3	**Company**	Exol Lubricants Limited All Saints Road Wednesbury, West Midlands, WS10 9TS
1.4	**Emergency Telephone Number**	+44 (0) 121 568 6800 (Monday – Friday 08.30 – 17.00 hrs GMT)
1.5	**Other Information**	Preparation Date: 01/09/2015

SECTION 2 HAZARD 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
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

3.2 Mixtures

Component	EC No.	REACH Reg. No.	GHS Classification	Conc. %
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil based	276-38-4	01-2119474889-13	Asp. Tox. 1; H304	>70
Isooctadecanoic acid, reaction products with tetra ethylenepentamine	272-225-4	01-2119960832-33	Skin Corr. 2; H315 Eye Dam. 2; H319	1-2
Reaction products of Benzeneamine, N-phenyl-with nonene (branched)	253-249-4	01-2119488911-28	Aquatic Chronic 4; H413	1-2
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrocen peroxide and tert-nonanethiol	293-927-7	01-2119976351-35	Aquatic Chronic 3; H412	1-2
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich	800-172-4	01-2119969520-35	Aquatic Chronic 2; H411	0.5-1
C14-18 alpha-olefin epoxide, reaction products with boric acid	Polymer	01-2119976364-28	Skin Sens. 1; H317	<0.5
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	263-177-5	Not Available	Eye Dam. 1; H318 Skin Corr. 1C; H314 Aquatic Chronic 1; H410 Aquatic Acute 1; H400 Acute Tox. 4; H302 Met. Corr. 1; H290	<0.5
2-Ethylhexyl methacrylate	211-708-6	01-2119490166-35	STOT SE. 3; H335 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 3; H412 Skin Sens. 1B; H317	<0.5
Diphenylamine	204-539-4	Not Available	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331	<0.2

Aquatic Acute 1; H400
Aquatic Chronic 1; H410
STOT RE 2; H373
Eye Dam. 2; H319

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Inhalation is unlikely because of the low vapour pressure of the substance at ambient temperature. If breathed in, move person into fresh air. Consult a physician.

Eyes Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

Skin Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Splashes of hot product cause burns in the eyes and on the skin. Seek medical attention in all cases of serious burns.

Ingestion DO NOT INDUCE VOMITING. In case of ingestion, always assume that aspiration has occurred. Consult a physician (risk of aspiration into the lungs especially if nausea or irritation occurs)>

4.2 Most important symptoms and effects, both acute and delayed None given

4.3 Indication of immediate medical attention and special treatment needed, if necessary Aspiration into the lungs may cause fatal chemical pneumonitis.

SECTION 5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media Foam, dry powder or water fog. Water can be used to cool and protect exposed material.

5.2 Specific hazards arising from the substance or mixture Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates, gases, including carbon monoxide.

5.3 Advice for fire-fighters Wear self-contained breathing apparatus. Water may cause splattering.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Immediately evacuate all personnel from danger area. Wear Personal Protective Equipment. Avoid skin contact and inhalation of oil mist. Spilled material may make surfaces slippery.
Remove all sources of ignition. Take measures to prevent the build up of electrostatic charge. Large spillages may be cautiously covered with foam, if available, to limit fire risk.

6.2 Environmental precautions Protect drains from potential spills to minimise contamination. Do not wash product into drainage system.
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.

6.3 Methods and material for containment and cleaning up Absorb into dry earth or sand. Protect drains using drain covers. Dispose of as hazardous waste.

6.4 Reference to other sections Personal protective equipment: See section 8

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling Provide sufficient ventilation when handling the product. 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.
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.
Use a suitable barrier cream at regular intervals.

7.2 Conditions for safe storage, including any incompatibilities Keep out of the reach of children. Keep tightly closed in a dry, cool and well-ventilated place. Protect against light. Take precautionary measures to prevent product spills
Store under cover away from heat and sources of ignition.

7.3 Specific end use(s) None given

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Country	Substance	Long Term (8 Hours TWA)	Short Term (15 Mins)
UK	Oil Mist	5 mg/m3	-

8.2 Exposure controls Ensure adequate ventilation. Use personal protective equipment and/or local ventilation when needed.

Hand Protection: Protective gloves: PVC, nitrile rubber. Change protective gloves regularly. Protective gloves according to standards EN420 and EN 374. neoprene protective gloves

Eye Protection: Tightly fitting safety goggles

Skin Protection: Protective clothing (antistatic), splash-proof chemical protective clothing when needed.

Respiratory Protection: Oil mist: respirator (combined particle and organic vapour filter, type A2/P2). Filter device could be used maximum 2 hours at a time. Filter devices must not be used in conditions where the oxygen level is low (<17 vol.-%). At high concentrations a breathing apparatus must be used (self-contained or fresh air hose breathing apparatus). Filter must be changed often enough. Respirators according to standards EN 140 and EN 141.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties Does not constitute a specification

Typical Values

Grades:		Autotrans DCT
	Units	
Appearance		Amber Liquid
Odour		Almost odourless
Odour Threshold		No data available
pH		Not applicable
Pour point/range	**°C**	-45
Initial boiling point and range	**°C**	No data available
Flash point (COC)	**°C**	200
Flammability		Not flammable
Upper/lower flammability or explosive limits		Not applicable
Vapour pressure	**kPa (0.1 mm Hg)**	No data available
Relative density	**kg/m³**	0.848 @ 20°C
Solubility - water		Insoluble
Partition coefficient n-octanol/water	**Log Pow**	Not applicable
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity	**mm²/s**	6.96 @ 100°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

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 overheating.
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

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

12.1	**Toxicity**	Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired
12.2	**Persistence and Degradability**	No data available
12.3	**Bioaccumulative Potential**	There is no evidence to suggest bioaccumulation will occur.
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

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

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

SECTION 15 REGULATORY INFORMATION

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

First Issue

Full text of classification data in sections 2 and 3

Asp. Tox. 1; H304	May be fatal if swallowed and enters airways
Acute Tox. 3; H301	Toxic if swallowed
Acute Tox. 4; H302	Harmful if swallowed
Acute Tox. 3; H311	Toxic in contact with skin
Acute Tox. 3; H331	Toxic if inhaled
STOT RE 2; H373	Causes damage to organs through prolonged or repeated exposure
Skin Corr. 1C; H314	Causes severe skin burns and eye damage
Skin Corr. 2; H315	Causes skin irritation
Eye Dam. 1; H318	Causes serious eye damage
Met. Corr. 1; H290	May be corrosive to metals
Eye Irrit. 2; H319	Causes serious eye irritation.
Skin Sens. 1; H317	May cause an allergic skin reaction
STOT SE. 3; H335	May cause respiratory irritation
Aquatic Acute 1; H400	Very toxic to aquatic life
Aquatic Chronic 1; H410	Very toxic to aquatic life with long-lasting effects
Aquatic Chronic 2; H411	Toxic to aquatic life with long-lasting effects
Aquatic Chronic 3; H412	Harmful to aquatic life with long-lasting effects
Aquatic Chronic 4; H413	May cause long lasting effects to aquatic life