



SAFETY DATA SHEET

Autotrans ELC

Product Code: A045

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

1.1 Product Identifier	Autotrans ELC
Product Code	A045
1.2 Relevant identified uses of the substance or mixture and uses advised against	Multi-vehicle 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: 16/02/2015

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	DSD Classification	Conc. %
	Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich	800-172-4	01-2119969520-35	Aquatic Chronic 2; H411	N; R51/53	<2
	Acetamide, 2-hydroxy-,N,N-dicoco alkyl derivs.	471-920-1	01-0000019770-68	Skin Sens. 1B; H317	Xi; R38 R43	<1
	1-(tert-Dodecylthio)propan-2-ol	266-582-5	01-2119953277-30	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Skin Sens. 1; H317	N Xi; R43 R50/53	<1
	1,2 – Propanediol, 3-amino-, N,N-dicoco alkyl derivs.	482-000-4	01-0000020142-86	Aquatic Chronic 3; H412 Skin Sens. 1; H317	Xi; R38 R43 R52/53	<0.5
	Benzene, polypropene derivatives, sulfonated, calcium salts	Polymer	Not Available	Eye Irrit. 2; H319 Skin Sens. 1; H317	Xi; R43	<0.2
	C14-18 alpha-olefin epoxide, reaction products with boric acid	Polymer	Not Available	Skin Sens. 1B; H317	-	<0.2
	Diphenylamine	204-539-4	Not Available	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 STOT RE 2; H373	N; R50/53 T; R23/24/25 R33	<0.2
	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	263-177-5	Not Available	Acute Tox. 4; H302 Aquatic Acute 1; H400 Eye Dam. 1; H318 Met. Corr. 1; H290 Skin Corr. 1C; H314 Skin Sens. 1; H317	Xn; R22 C; R34 N; R50 R43	<0.2

It is understood from toxicological information given for the compounds present that at the treatment rate used in the finished oil, the material is not



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expected to cause allergic skin reactions.

SECTION 4 FIRST AID MEASURES

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 See section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary Note to physician: Treat symptomatically

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** Toxic fumes may be evolved on burning or exposure to heat. 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

- 6.1 Personal precautions, protective equipment and emergency procedures** 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.
- 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** Use with adequate ventilation. Open container in a well ventilated area. Avoid breathing vapours. Keep container closed when not in use. Do not discharge into drains or the environment, dispose to an authorised waste collection point. Use appropriate containment to avoid environmental contamination. Avoid use in confined areas without adequate ventilation. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of product. Dispose of packaging or containers in accordance with local, regional, national and international regulations.
- 7.2 Conditions for safe storage, including any incompatibilities** Take precautions to avoid release to the environment.
- 7.3 Specific end use(s)** See section 1.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- | Country | Substance | Long Term (8 Hours TWA) | Short Term (15 Mins) |
|------------------------------|---|-------------------------|----------------------|
| None | | | |
| Other Exposure Limits | Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg | | |



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8.2 Exposure controls

per cubic meter, ACGIH TWA of T mg per cubic meter.
 Use material in well-ventilated area only. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits. Vapours are heavier than air and will tend to accumulate in low areas. Avoid use in confined areas without adequate ventilation.
Skin Protection: Nitrile or neoprene protective gloves. Long shirt is recommended. Wear a chemically protective apron when contact with material may occur. When working with heated material, wear an insulated apron or an insulated chemical protective suit. Use chemically protective boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse.
Eye Protection: Safety glasses
Respiratory Protection Use full face respirator with an organic vapour cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.
Hygiene Measures: Wash thoroughly after handling this product

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

	Units	
Grades:		Autotrans ELC
Appearance		Red Liquid
Odour		Mild
Odour Threshold		No data available
pH		Not applicable
Pour point/range	°C	<-50
Initial boiling point and range	°C	No data available
Flash point (COC)	°C	226
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	0.838 @ 15°C
Solubility - water		Insoluble
Partition coefficient n-octanol/water	Log Pow	Not applicable
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity	cSt	7.60 @ 100°C
	cSt	36.5 @ 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 Carefully review all information provided in 10.2 – 10.6
 10.2 Chemical stability Material is normally stable at moderately elevated temperatures and pressures
 10.3 Possibility of hazardous reactions Will not occur
 10.4 Conditions to avoid Not determined
 10.5 Incompatible materials Acids. Oxidising agents.
 10.6 Hazardous decomposition products Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of the following elements will be formed: nitrogen, sulphur.



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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 at a concentration to require classification as an eye irritant.
- **Skin** No components present at a concentration to require classification as a 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

No data available

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

No data available

12.4 Mobility in Soil

Not applicable

12.5 Results of PBT and vPvB

Not available

Assessment

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

Second Issue

First Issue July 2014: Changed to new format

Full text of classification data in sections 2 and 3

Acute Tox. 3; H301

Acute toxicity, oral, Hazard Category 3; Toxic if swallowed

Acute Tox. 4; H302

Acute toxicity, oral, Hazard Category 4; Harmful if swallowed

Acute Tox. 3; H311

Acute toxicity, dermal, Hazard Category 3; Toxic in contact with skin



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Acute Tox. 3; H331
STOT RE 2; H373

Skin Corr. 1C; H314
Eye Dam. 1; H318
Met. Corr. 1; H290
Eye Irrit. 2; H319
Skin Sens. 1; H317
Aquatic Acute 1; H400
Aquatic Chronic 1; H410

Aquatic Chronic 2; H411

Aquatic Chronic 3; H412

Xn; R22
T; R23/24/25
C; R34
R33
Xi; R43
Xi; R38
N; R50
N; R50/53
N; R51/53
R52/53

Acute toxicity, inhalation, Hazard Category 3; Toxic if inhaled
Specific target organ toxicity, repeated exposure, Hazard Category 2; Causes damage to organs through prolonged or repeated exposure
Skin corrosion/irritation, Hazard Category 1; Causes severe skin burns and eye damage
Serious eye damage/eye irritation, Hazard Category 1; Causes serious eye damage
Corrosive to metals, Hazard Category 1; May be corrosive to metals
Serious eye damage/eye irritation, Hazard Category 2; Causes serious eye irritation.
Sensitisation, Skin, Hazard Category 1; May cause an allergic skin reaction
Hazardous to the aquatic environment, acute hazard, hazard Category 1; Very toxic to aquatic life
Hazardous to the aquatic environment, long term hazard, Hazard Category 1; Very toxic to aquatic life with long-lasting effects
Hazardous to the aquatic environment, long term hazard, Hazard Category 2; Toxic to aquatic life with long-lasting effects
Hazardous to the aquatic environment, long term hazard, Hazard Category 3; Harmful to aquatic life with long-lasting effects

Harmful if swallowed
Toxic by inhalation, in contact with skin and if swallowed
Causes burns
Danger of cumulative effects
May cause sensitisation by skin contact.
Irritating to skin
Very toxic to aquatic organisms
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment