



AUTOMATIC TRANSMISSION AND POWER STEERING STOP LEAK BARD AHL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 07-10-16 Revision date: 09-01-18 Supersedes: 07-10-16 Version: 3.0

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

1.1. Product identifier

Product form : Article
Product name : AUTOMATIC TRANSMISSION AND POWER STEERING STOP LEAK BARD AHL
Product code : 1755B # 735175BR3

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use
Function or use category : Additive

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Distributor

SADAPS BARD AHL Additives & Lubricants
ZI TOURNAI OUEST 2 - RUE DU MONT DES CARLIERS, 3
7522 TOURNAI - BELGIQUE
T +32 (0).69.59.03.60 - F +32 (0).69.59.03.61
msds@bardahlfrance.com - www.bardahlfrance.com

Supplier

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1.4. Emergency telephone number

Emergency number : + 32 (0)70.245.245 / +33 (0)1.45.42.59.59

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment — H412
Chronic Hazard, Category 3
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : -
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P273 - Avoid release to the environment.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
P501 - Dispose of contents/container to a hazardous or special waste collection point
EUH-statements : EUH208 - Contains 1-(tert-dodecylthio)propan-2-ol(67124-09-8), Benzene, polypropene derivatives, sulfonated, calcium salts. May produce an allergic reaction.
Security closing plug for children : Not applicable

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Tactile warning : Not applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), solvent-dewaxed heavy paraffinic substance with national workplace exposure limit(s) (FR) (Note L)	(CAS-No.) 64742-65-0 (EC-No.) 265-169-7 (EC Index-No.) 649-474-00-6 (REACH-no) 01-2119471299-27	50 - 80	Not classified
(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (BE, ES, FR, GB, GR, NL)	(CAS-No.) 34590-94-8 (EC-No.) 252-104-2 (REACH-no) 01-2119450011-60	<5	Not classified
1-(tert-dodecylthio)propan-2-ol	(CAS-No.) 67124-09-8 (EC-No.) 266-582-5 (REACH-no) 01-2119953277-30	<1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Benzene, polypropene derivatives, sulfonated, calcium salts		<1	Skin Sens. 1B, H317
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.	(CAS-No.) 61791-44-4 (EC-No.) 263-177-5	<0,5	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
toluene	(CAS-No.) 108-88-3 (EC-No.) 203-625-9 (EC Index-No.) 601-021-00-3 (REACH-no) 01-2119471310-51	<0,5	Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336
Oil mist substance with national workplace exposure limit(s) (FR)			Not classified

Specific concentration limits:

Name	Product identifier	Specific concentration limits
1-(tert-dodecylthio)propan-2-ol	(CAS-No.) 67124-09-8 (EC-No.) 266-582-5 (REACH-no) 01-2119953277-30	(14,2 =<C <= 100) Skin Sens. 1, H317

Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Remove contaminated clothes. Wash skin with plenty of water. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Water spray. Dry powder. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
Other information : Prevent liquid from entering sewers, watercourses, underground or low areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Eliminate every possible source of ignition. Ensure adequate ventilation, especially in confined areas. Keep public away from danger area. Equip cleanup crew with proper protection.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Dike for recovery or absorb with appropriate material. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Recover the product with absorbent material.
Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13: "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product.
Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry place. Store in a closed container. Store in a well-ventilated place. Keep out of frost. Keep away from heat.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Oil mist		
France	VME (mg/m ³)	5 mg/m ³
France	VLE (mg/m ³)	10 mg/m ³
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)		
France	VME (mg/m ³)	7 (8h)
France	VME (ppm)	5 ppm (8h)
France	VLE (mg/m ³)	14 mg/m ³ (15m)
France	VLE (ppm)	10 ppm (15m)
toluene (108-88-3)		
EU	IOELV TWA (mg/m ³)	192 mg/m ³

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toluene (108-88-3)		
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	384 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
France	VME (mg/m ³)	76,8 mg/m ³
France	VME (ppm)	20 ppm
France	VLE (mg/m ³)	384 mg/m ³
France	VLE (ppm)	100 ppm
Switzerland	MAK (mg/m ³)	190 mg/m ³
Switzerland	MAK (ppm)	50 ppm
Switzerland	KZGW (mg/m ³)	760 mg/m ³
Switzerland	KZGW (ppm)	200 ppm
(2-methoxymethylethoxy)propanol (34590-94-8)		
EU	IOELV TWA (mg/m ³)	308 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
Belgium	Limit value (mg/m ³)	308 mg/m ³
Belgium	Limit value (ppm)	50 ppm
France	VME (mg/m ³)	308 mg/m ³
France	VME (ppm)	50 ppm
Greece	OEL TWA (mg/m ³)	600 mg/m ³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m ³)	900 mg/m ³
Greece	OEL STEL (ppm)	150 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	300 mg/m ³
Netherlands	Grenswaarde TGG 8H (ppm)	49 ppm
Spain	VLA-ED (mg/m ³)	308 mg/m ³
Spain	VLA-ED (ppm)	50 ppm
United Kingdom	WEL TWA (mg/m ³)	308 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm

8.2. Exposure controls

Hand protection:

In case of repeated or prolonged contact wear gloves

Eye protection:

Eye protection should only be necessary where liquid could be splashed or sprayed

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Good ventilation of the workplace required

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: red.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available

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Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0,87 - 0,88 g/cm ³ (20°C)
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Heat. Open flame. Sparks. Water, humidity. Freezing.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	5,53 mg/l/4h

Mineral oil

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)

LD50 oral rat	> 5000
LD50 dermal rabbit	> 2000

toluene (108-88-3)

LD50 oral rat	5580 mg/kg
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toluene (108-88-3)	
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l/4h (OCDE 403)

(2-methoxymethylethoxy)propanol (34590-94-8)	
LD50 oral rat	5135 mg/kg
LD50 dermal rat	9500 mg/kg
LD50 dermal rabbit	9500 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	0 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Harmful to aquatic life with long lasting effects.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Harmful to aquatic life with long lasting effects.

Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	
LC50 fish 1	> 100 mg/l

(398141-87-2)	
LC50 fish 1	2,4 mg/l
EC50 Daphnia 1	4,6 mg/l
EC50 72h algae (1)	63 mg/l

1-(tert-dodecylthio)propan-2-ol (67124-09-8)	
LC50 fish 1	> 0,75 mg/l (Rainbow trout, 4DY)
EC50 other aquatic organisms 1	0,58 mg/l (Cladocera, 2DY)
EC50 other aquatic organisms 2	0,75 mg/l (Cladocera, 21DY)
NOEC (acute)	0,56 mg/l (Rainbow trout, 4DY)
NOEC chronic crustacea	0,32 mg/l (Cladocera, 2DY)

Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs. (61791-44-4)	
LC50 fish 1	< 1 mg/l
EC50 Daphnia 1	< 1 mg/l

toluene (108-88-3)	
LC50 fish 1	5,5 mg/l (Oncorhynchus mykiss)
EC50 Daphnia 1	3,78 mg/l (Ceriodaphnia dubia)
NOEC (chronic)	1,4 mg/l (40 days, oncorhynchus mykiss)

(2-methoxymethylethoxy)propanol (34590-94-8)	
LC50 fish 1	> mg/l
EC50 Daphnia 1	1919 mg/l
EC50 72h algae (1)	969 mg/l selenastrum capricornutum
EC50 72h algae (2)	> 969 mg/l selenastrum capricornutum
EC50 96h algae (1)	> mg/l

12.2. Persistence and degradability

(2-methoxymethylethoxy)propanol (34590-94-8)	
ThOD	2,06 g O ₂ /g substance

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(2-methoxymethylethoxy)propanol (34590-94-8)	
BOD (% of ThOD)	0 % ThOD

12.3. Bioaccumulative potential

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
Log Pow	> 3

(398141-87-2)	
Log Kow	4,1

(2-methoxymethylethoxy)propanol (34590-94-8)	
Bioconcentration factor (BCF REACH)	<
Log Pow	0,0043
Log Kow	< 4

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal recommendations	: Do not discharge into drains or the environment.
Product/Packaging disposal recommendations	: Collect all waste in suitable and labelled containers and dispose according to local legislation.
Ecology - waste materials	: Do not discharge the product into the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	RID
14.1. UN number			
Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

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Contains no substance on the REACH candidate list

15.1.2. National regulations

France

Occupational diseases : RG 4 BIS - Affections gastro-intestinales provoquées par le benzène, le toluène, les xylènes et tous les produits en renfermant
RG 36 - Affections provoquées par les huiles et graisses d'origine minérale ou de synthèse
RG 65 - Lésions eczématiformes de mécanisme allergique
RG 84 - Affections engendrées par les solvants organiques liquides à usage professionnel

Germany

Reference to AwSV : Water hazard class (WGK) 3, severe hazard to waters (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Distillates (petroleum), solvent-dewaxed heavy paraffinic, 1-(tert-dodecylthio)propan-2-ol, Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs. are listed

SZW-lijst van mutagene stoffen : Distillates (petroleum), solvent-dewaxed heavy paraffinic, 1-(tert-dodecylthio)propan-2-ol are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : toluene is listed

Denmark

Danish National Regulations : Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

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H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains 1-(tert-dodecylthio)propan-2-ol(67124-09-8), Benzene, polypropene derivatives, sulfonated, calcium salts. May produce an allergic reaction.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product