



Section 1. Identification of the substance/preparation and the company/undertaking.

1.1 Product identifier:

Product name: AUTOL GETRIEBEÖL VSL-5

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

Identified uses: Transmission fluid

1.3 Details of the supplier of the safety data sheet:

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Section 2. Hazards identification.

2.1 Classification of the substance/mixture:

Regulation (EC) no. 1272/2008: For the full text of the H-statements mentioned in this Section, see Section 2.2.

Classification: The product is not classified as dangerous according to Regulation (EC) no. 1272/2008.

Directive 67/548/EEC or 1999/45/EC: For the full text of the R-phrases mentioned in this Section, see Section 16.

The substance/mixture is non-dangerous in accordance with Directive(s) 67/548/EEC with amendments and/or 1999/45/EC with amendments.

Symbol(s): Not classified.

2.2 Label elements:

Labelled according to Regulation (EC) no. 1272/2008:

Hazard statements: None

Precautionary statements: None

Supplemental hazard statements: EUH210 – Safety data sheet available on request

Contains: Reaction products of 4-Methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14-tert-alkyl. May produce an allergic reaction.

2.3 Other hazards:

Physical-chemical properties: Contaminated surfaces will be extremely slippery.

Environmental properties: Should not be released into the environment.

Section 3. Composition/information on ingredients.

3.2 Mixture:

Chemical name	EC-no.	REACH Registration no.	CAS-no.	Weight %	Classification (Dir. 67/548)	GHS Classification
Distillates (petroleum), hydrotreated heavy paraffinic	265-157-1	01-2119484627-25	64742-54-7	< 30	--	Asp.Tox. 1; H304
Distillates (petroleum), solvent-dewaxed heavy paraffinic	265-169-7	01-2119471299-27	64742-65-0	< 5	Xn, R65	Asp.Tox. 1, H304
Poly(oxy-1,2-ethanediyl), alpha-[(1,1,3,3-tetramethylbutyl)phenyl]-omega-hydroxy-	--	No data available	9036-19-5	< 0,25	X _n ; R36/38 N; R51-53	Aquatic Chronic 2, H411 Eye Irrit. 2, H319

Additional information: Product containing mineral oil with less than 3% DMSO extract as measured by IP 346.

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-statements mentioned in this Section, see Section 16.

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) no. 1907/2006 (REACH), Article 59).



Chemical name	CAS-no.	SVHC candidates
Poly(oxy-1,2-ethanediyl), alpha- [(1,1,3,3-tetramethylbutyl) phenyl]- omega-hydroxy-	9036-19-5	X

Section 4. First aid measures.

4.1 Description of the first aid measures:

General advice:	In case of serious or persistent conditions, call a doctor or emergency medical care.
Eye contact:	Rinse thoroughly with plenty of water, also under the eyelids. Consult a physician.
Skin contact:	Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing before reuse.
Inhalation:	Move to fresh air.
Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

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

Eye contact:	Not classified.
Skin contact:	Not classified. May produce an allergic reaction.
Inhalation:	Not classified. Inhalation of vapours in high concentration may cause irritation of respiratory system.
Ingestion:	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:

Notes to physician:	Treat symptomatically.
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Section 5. Fire fighting measures.

5.1 Extinguishing media:

Suitable extinguishing media:	Foam, carbon dioxide (CO ₂). ABC powder. Water spray or fog.
Unsuitable extinguishing media:	Do not use a solid water stream as it may scatter and spread fire.

5.2 special hazards arising from the substance or mixture:

Special hazard:	Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide, Hydrogen sulphide, Sulphur oxides, Nitrogen oxides (NO _x), Phosphorous oxides.
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5.3 Precautions for fire fighters:

Special protective equipment for fire fighters:	Wear self-contained breathing apparatus and protective suit.
Other information:	Cool containers/tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section 6. Accidental release measures.

6.1 Personal precautions, protective equipment and emergency procedures:

Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

6.2 Environmental precautions:

General information.	Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. Try to prevent the material from entering drains or water courses.
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6.3 Methods and materials for containment and cleaning up:

Methods for cleaning up:	Dam up. Contain spillage and then collect with non-combustible absorbent material, (e. g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13). Keep in suitable, closed containers for disposal.
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6.4 Reference to other sections:

Personal protective equipment:	See Section 8 for more detail.
Waste treatment:	See Section 13.



Section 7. Handling and storage.

7.1 Precautions for safe handling:

Advice on safe handling: When using, do not eat, drink or smoke. For personal protection see Section 8. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing.

Prevention of fire and explosion: Take precautionary measures against static discharges. Ground/bond containers, tanks and transfer/receiving equipment.

Hygiene measures: Ensure the application of strict rules of hygiene by the personal exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into work wear pockets.

7.2 Conditions for safe storage, including any incompatibilities:

Technical measures/storage conditions: Keep away from food, drink and animal feedingstuffs. Keep in a bonded area. Keep container tightly closed. Preferably keep in the original container. Otherwise, reproduce all the statutory information from the labels onto the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture.

Materials to avoid: Strong oxidising agents, Halogens.

7.3 Specific use(e):

Specific use(s): No information available.

Section 8. Exposure controls / Personal protection.

8.1 Control parameters:

Exposure limits: Oil mist: 10 mg/m³ for 15 minutes
Oil mist: 5 mg/m³ for 8 hours

DNEL Worker (Industrial/Professional):

Chemical name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7				5,5 mg/m ³ /8h (aerosol-inhalation)
Distillates (petroleum), solvent-dewaxed heavy paraffinic 64742-65-0				5,4 mg/m ³ /8h (aerosol-inhalation)

DNEL Consumer:

Chemical name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7				1,2 mg/m ³ /24h (aerosol-inhalation)
Distillates (petroleum), solvent-dewaxed heavy paraffinic 64742-65-0				1,2 mg/m ³ /24h (aerosol-inhalation)

8.2 Exposure controls:

Occupational exposure controls:

Engineering measures: Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Personal protective equipment:

General information: If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

Respiratory protection: None under normal use conditions. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respirator with



combination filter for vapour/particulate (EN 14387). The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

Eye protection. If splashes are likely to occur, wear: Safety glasses with side-shields.

Skin and body protection: Wear suitable protective clothing. Protective shoes or boots. Long sleeved clothing.

Hand protection: Hydrocarbon-proof gloves: Nitrile rubber, Fluorinated rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion and the contact time. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves.

Environmental exposure controls:

General information: The product should not be allowed to enter drains, water courses or the soil.

Section 9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties:

Appearance:	Clear		
Colour:	Yellow to brown		
Physical state at 20°C:	Liquid		
Odour:	Characteristic		
Property	Values	Remarks	Method
pH value:		Not applicable	
Boiling point/range:		Not applicable	
Flashpoint:	> 200°C > 392°F		Cleveland Open Cup (COC) Cleveland Open Cup (COD)
Evaporation rate:		No information available	
Flammability limits in air:		No information available	
Vapour pressure:		No information available	
Vapour density		No information available	
Density at 20°C:	844 – 860 kg/m ³		ASTM D 4052
Water solubility:		Insoluble	
Solubility in other solvents:		No information available	
logPow:		No information available	
Auto ignition temperature:		No information available	
Viscosity, kinematic:	50 54 mm ² /s 9,1 – 9,6 mm ² /s	at 40°C at 100°C	ASTM D 445 ASTM D 445
Explosive properties:	Not explosive		
Oxidising properties:	Not applicable		
Possibility of hazardous reactions:	Not applicable		
9.2 Other information:	--		

Section 10. Stability and reactivity.

10.1 Reactivity: --

10.2 Chemical stability:

Stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:

Hazardous reactions: None under normal processing.

10.4 Conditions to avoid:

Conditions to avoid: Heat (temperatures above Flashpoint), sparks, ignition points, flames, static electricity.

10.5 Incompatible materials:

Materials to avoid: Strong oxidising agents, Halogens.

10.6 Hazardous decomposition products:

Hazardous decomposition products: Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot, Hydrogen sulphide, Mercaptanes, Sulphur oxides, Nitrogen oxides (NOx), Phosphorous oxides.

Section 11. Toxicological information.

11.1 Information on toxicological effects:

Acute toxicity, local effects, product information:

Skin contact:	Not classified. May produce an allergic reaction.
Eye contact:	Not classified.
Inhalation:	Not classified. Inhalation of vapours in high concentration may cause irritation of respiratory system.
Ingestion:	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Acute toxicity – Component information:

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Distillates (petroleum), hydrotreated heavy paraffinic	LD50 > 5000 mg/kg bw (rat – OECD 420)	LD50 > 5000 mg/kg bw (Rabbit – OECD 402)	LC50 (4h) > 5 mg/l (aerosol) (rat – OECD 403)
Distillates (petroleum), solvent-dewaxed heavy paraffinic	LD50 > 5000 mg/kg bw (rat – OECD 420)	LD50 > 5000 mg/kg bw (Rabbit – OECD 402)	LC50 (4h) > 5 mg/l (aerosol) (rat – OECD 403)
Poly(oxy-1,2-ethanediyl), alpha-[(1,1,3,3-tetramethylbutyl) phenyl]-omega-hydroxy-	= 4190 mg/kg (Rat)		

Sensitisation:

Sensitisation: Not classified as a sensitizer. Contains sensitizer(s). May produce an allergic reaction.

Specific effects:

Carcinogenicity: This product is not classified carcinogenic.

Chemical name	European Union
Distillates (petroleum), hydrotreated heavy paraffinic, 64742-54-7	---
Distillates (petroleum), solvent-dewaxed heavy paraffinic, 64742-65-0	---

Mutagenicity:

This product is not classified as mutagenic.

Reproductive toxicity:

This product does not present any known or suspected reproductive hazards.

Repeated dose toxicity:

Subchronic toxicity:

No information available.

Target Organ Effects (STOT):

Other information:

Other adverse effects:

Characteristic skin lesions (oil blisters) may develop following prolonged and repeated exposures (contact with contaminated clothing).

Section 12. Ecological information.

12.1 Toxicity: Not classified

Acute aquatic toxicity -

Product information: No experimental data available.

Acute aquatic toxicity – Component information:

Chemical name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	EL50 (48 h) > 100 mg/l (Pseudokirchnerella subcapitata – OECD 201)	EL50 (48 h) > 10000 mg/l (Daphnia magna – OECD 202)	LL50 (96 h) > 100 mg/l (Oncorhynchus mykiss – OECD 2039)	
Distillates (petroleum), solvent-dewaxed heavy paraffinic 64742-65-0	EL50 (48 h) > 100 mg/l (Pseudokirchnerella subcapitata – OECD 201)	EL50 (48 h) > 10000 mg/l (Daphnia magna – OECD 202)	LL50 (96 h) > 100 mg/l (Oncorhynchus mykiss – OECD 203)	



Chronic aquatic toxicity -

Product information: No information available.

Chronic aquatic toxicity – Component information:

Chemical name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7		NOEL (14/28 d) > 1000 mg/l (Oncorhynchus mykiss – USAR Petrotox)	NOEL (14/28 d) > 1000 mg/l (Oncorhynchus mykiss – QSAR Petrotox)	
Distillates (petroleum), solvent-dewaxed heavy paraffinic 64742-65-0		NOEL (21 d) 10 mg/l (Daphnia magna – OECD 211)	NOEL (14/28 d) > 1000 mg/l (Oncorhynchus mykiss – QSAR Petrotox)	

Effects on terrestrial organisms: No information available.

12.2 Persistence and degradability:

General information: No information available.

12.3 Bioaccumulative potential:

Product information: No information available.

logPow: No information available.

Component information:

Chemical name	log Pow
Distillates (petroleum), hydrotreated heavy paraffinic, 64742-54-7	---

12.4 Mobility in soil:

Soil: Given its physical and chemical characteristics, the product generally shows low soil mobility.

Air: Loss by evaporation is limited

Water: The product is insoluble and floats on water.

12.5 Results of PBT and vPvB assessment:

PBT and vPvB assessment: No information available.

12.6 Other adverse effects: --

Section 13. Disposal considerations.

13.1 Waste treatment methods:

Waste from residues/unused products: Dispose of in accordance with the European Directives on waste and hazardous waste.

Dispose of in accordance with local regulations. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose on in compliance with local regulations. After use, this oil must be sent to a licensed waste oil facility. Incorrect disposal of used oil poses a risk to the environment. Mixture with other waste types such as solvents, brake and cooling liquids is forbidden.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

EWC Waste Disposal no.: the following waste codes are only suggestions: 13 02 05.
According to the European Waste Catalogue, waste codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was use.

Section 14. Transport information.

ADR/RID: Not regulated

IMDG/IMO: Not regulated

ICAO/IATA: Not regulated

ADN: Not regulated



Section 15. Regulatory information.

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

European Union:

Further information: No information available.

15.2 Chemical safety assessment:

Chemical safety assessment: No information available.

15.3 National regulatory information:

Belgium: Avoid exceeding occupational exposure limits (see Section 8).

Section 16. Other information.

This information relates only to the specific product and may not be valid if the product is used in combination with any other material or in any process. The informations in this sheet are according to our best knowledge at the date of printing.

Full text of R-phrases referred to under Sections 2 and 3:

R65 Harmful: may cause lung damage if swallowed

R36/38 Irritating to eyes and skin

R51/53 toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of H-statements referred to under Section 2 and 3:

H411 Toxic to aquatic life with long lasting effects

H319 Causes serious eye irritation

H304 May be fatal if swallowed and enters airways