Safety Data Sheet
acc. to OSHA HCS

Printing date 06/05/2015 Version 2 Reviewed on 05/30/2015

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1 Identification

Product identifier

Trade name: Original ATE Brake Fluid SL.6 (DOT 4)

Article number: 03.9901-64xx.x / 7064xx
Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
Application of the substance / the mixture hydraulic liquid

Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Continental Aftermarket GmbH
Guerickestr. 7
60488 Frankfurt a. M.
Germany
Tel: +49-69-76031
Fax: +49-69-761061

Information department:
Gefahrstoffmanagement Konzern, Zentrales Materiallabor
ate.sicherheit@contiautomotive.com
Emergency telephone number: +49-6132-84463

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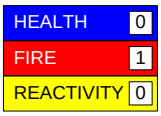
2 Hazard(s) identification

Classification of the substance or mixture
The product is not classified according to the Globally Harmonized System (GHS).

Label elements
GHS label elements Void
Hazard pictograms Void
Signal word Void
Hazard statements Void
Classification system:
NFPA ratings (scale 0 - 4)

Health = 0
Fire = 1
Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = 0
Fire = 1
Reactivity = 0

Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

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3 Composition/information on ingredients

Chemical characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:		
161907-77-3	Ethanol, 2-butoxy-, manufacture of, by-products from Eye Dam. 1, H318	3%

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110-97-4	1,1'-iminodipropan-2-ol Eye Irrit. 2A, H319	≤2%

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4 First-aid measures

Description of first aid measures
General information: Remove contaminated clothes and shoes immediately.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Call a doctor immediately.
Information for doctor:
Most important symptoms and effects, both acute and delayed
No further relevant information available.
Indication of any immediate medical attention and special treatment needed
No further relevant information available.

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5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents:
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.
Special hazards arising from the substance or mixture
May be released in case of fire: CO, CO2, NOx
Advice for firefighters
Protective equipment:
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.

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6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Environmental precautions:
Do not allow product to reach sewage system or any water course.
Do not allow to penetrate the ground/soil.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the collected material according to regulations.
Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and storage

Handling:
Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
Information about protection against explosions and fires: No special measures required.

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Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Storage at room temperature.
Information about storage in one common storage facility: Store away from foodstuffs.
Further information about storage conditions:
Store in dry conditions.
This product is hygroscopic.
Keep receptacle tightly sealed.
Storage class: 10 combustible liquids.
Specific end use(s) No further relevant information available.

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8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Breathing equipment:
If occupational exposure limits are exceeded, use breathing mask (filter type A). Wear self-contained breathing apparatus in case of danger of oxygen displacement.
Protection of hands:
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Penetration time of glove material
Butyl caoutchouc (butyl rubber): minimum breakthrough times 180 min; minimum layer thickness: 0.7 mm
NBR (nitrile rubber): minimum breakthrough times 30 min; minimum layer thickness: 0.4 mm
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection: Safety glasses
Limitation and supervision of exposure into the environment
See section 6 and 7. No additional measures necessary.

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9 Physical and chemical properties

Information on basic physical and chemical properties
General Information
Appearance:

Form:	Fluid
Color:	Light yellow
Odor:	Characteristic
Odour threshold:	Not determined.

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pH-value at 20 °C:	8 (ASTM D 1287)
Change in condition	
Melting point/Melting range:	< -70 °C (ASTM D 1177)
Boiling point/Boiling range:	265 °C (ASTM D 1120)
Flash point:	132 °C (ASTM D 7094 (closed cup))
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	>300 °C (DIN 51794)
Decomposition temperature:	360 °C (Analogy)
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure at 20 °C:	0.27 Pa (Syracuse)
Density at 20 °C:	1.06 g/cm³ (DIN 51757)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Water:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic at 20 °C:	13 mPas
Kinematic at 20 °C:	12.3 mm2/s (DIN 51562)
Solvent content:	
Organic solvents:	0.0 %
Solids content:	1.9 %
Other information	No further relevant information available.

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10 Stability and reactivity

Reactivity
Chemical stability
Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: No further relevant information available.
Hazardous decomposition products: No dangerous decomposition products known.

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11 Toxicological information

Information on toxicological effects
Acute toxicity:

LD/LC50 values that are relevant for classification:		
Dermal	LD50	3540 mg/kg (rat)

Primary irritant effect:
on the skin: No irritant effect.

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on the eye: No irritating effect.
Sensitization: No sensitizing effects known.
Additional toxicological information:
The product is not subject to classification according to internally approved calculation methods for preparations:

Carcinogenic categories

IARC (International Agency for Research on Cancer)
None of the ingredients is listed.

NTP (National Toxicology Program)
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

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12 Ecological information

Toxicity

Aquatic toxicity:	
EC50	> 5000 mg/l (bacteria)
LL50	> 222.2 mg/L (fish)

Persistence and degradability No further relevant information available.
Other information: The product is easily biodegradable.
Behavior in environmental systems:
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment Not applicable.
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

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13 Disposal considerations

Waste treatment methods
Waste disponal according EC-regulations 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.
Recommendation: Must be specially treated adhering to official regulations.

Uncleaned packagings:
Recommendation:
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

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14 Transport information

UN-Number **DOT, TDG, ADN, IMDG, IATA**	Void
UN proper shipping name **DOT, TDG, ADN, IMDG, IATA**	Void

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Transport hazard class(es)	
DOT, TDG, ADN, IMDG, IATA Class	Void
Packing group DOT, TDG, IMDG, IATA	Void
Environmental hazards: Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	UN-, -

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15 Regulatory information

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

Section 355 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

112-35-6	2-(2-(2-methoxyethoxy)ethoxy)ethanol
23783-42-8	2-(2-methoxyethoxy)ethanol
9038-95-3	Poly(ethylene glycol-ran-propylene glycol)monobutylether
110-97-4	1,1'-iminodipropan-2-ol
68442-68-2	Benzenamine, N-phenyl-, styrenated
29385-43-1	methyl-1H-benzotriazole
4314-14-1	Fat Yellow 3G
68439-46-3	Alcohol ethoxylate (C9-C11, 6 EO)
7732-18-5	water, distilled, conductivity or of similar purity

Proposition 65

Chemicals known to cause cancer:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

Cancerogenity categories

EPA (Environmental Protection Agency)
None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.

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NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

Canadian substance listings:

Canadian Domestic Substances List (DSL)	
30989-05-0	MTG-100-Borate
112-35-6	2-(2-(2-methoxyethoxy)ethoxy)ethanol
23783-42-8	2-(2-methoxyethoxy)ethanol
9038-95-3	Poly(ethylene glycol-ran-propylene glycol)monobutylether
110-97-4	1,1'-iminodipropan-2-ol
68442-68-2	Benzenamine, N-phenyl-, styrenated
29385-43-1	methyl-1H-benzotriazole
4314-14-1	Fat Yellow 3G
68439-46-3	Alcohol ethoxylate (C9-C11, 6 EO)
7732-18-5	water, distilled, conductivity or of similar purity

Canadian Ingredient Disclosure list (limit 0.1%)
None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%)	
110-97-4	1,1'-iminodipropan-2-ol

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of preparation / last revision 06/05/2015 / 1

Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Sources

*** Data compared to the previous version altered.**