

SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

Print Date: 04.08.2008

Revision Date : 30.10.2007

Page 1 of 9

Commercial Product Name: **ATF OIL**

Part number: G 055025A2

Material number: G05502501

Version : 1.5

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Commercial Product Name : ATF OIL
 Company : Volkswagen AG
 38436 Wolfsburg
 Telephone : +495614903267
 Telefax : +4956149083267
 Contact person : 4-PKFW/4 Prozess-/ Versorgungstechnik
 E-mail address : MSDS@VOLKSWAGEN.de
 Emergency telephone : +49 / 5361 / 9 - 23222

Use

Specific use(s) : Polishing agent and lubricant

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment



Symbol(s) : N Dangerous for the environment

R-phrase(s) : R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Mineral oils, Additives

Hazardous components

Chemical Name	CAS-No.	EC-No.	Classification	Concentration[%]
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched alkyl esters	125643-61-0		R53	1 - < 5
alkyl phosphite			N; R50/53 C; R34 Xn; R21	2 - < 2,5
Kerosine (petroleum); Straight run kerosine	8008-20-6	232-366-4	Xn; R65 N; R51/53	0,1 - < 1



SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

Print Date: 04.08.2008

Revision Date : 30.10.2007

Page 2 of 9

Commercial Product Name: **ATF OIL**

Part number: G 055025A2

Material number: G05502501

Version : 1.5

			R10 Xi; R38	
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4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
If you feel unwell, seek medical advice (show the label where possible).
Never give anything by mouth to an unconscious person.
Take off all contaminated clothing immediately.
Wash contaminated clothing before re-use.
- Inhalation : Remove to fresh air.
Keep patient warm and at rest.
If symptoms persist, call a physician.
- Skin contact : Wash off immediately with soap and plenty of water.
- Eye contact : Remove contact lenses.
In the case of contact with eyes, rinse immediately with plenty of water
and seek medical advice.
- Ingestion : If swallowed, seek medical advice immediately and show this container
or label.
Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon
dioxide.
- Extinguishing media which shall not be used for safety reasons : High volume water jet
- Specific hazards during fire fighting : Fire will produce dense black smoke containing hazardous combustion
products (see heading 10).
Exposure to decomposition products may be a hazard to health.
- Special protective equipment for fire-fighters : Complete suit protecting against chemicals



SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

Print Date: 04.08.2008

Revision Date : 30.10.2007

Page 3 of 9

Commercial Product Name: **ATF OIL**

Part number: G 055025A2

Material number: G05502501

Version : 1.5

Further information : Standard procedure for chemical fires.
In the event of fire and/or explosion do not breathe fumes.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Refer to protective measures listed in sections 7 and 8.
Ensure adequate ventilation, especially in confined areas.

Environmental precautions : Try to prevent the material from entering drains or water courses.
Avoid subsoil penetration.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

Additional advice : Contaminated surfaces will be extremely slippery.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : Avoid contact with skin and eyes.
Avoid formation of aerosol.
For personal protection see section 8.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.
Keep away from heat and sources of ignition.

Dust explosion class : not applicable

Storage

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.
Incompatible with oxidizing agents.

Remarks : No decomposition if stored and applied as directed.



SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

Print Date: 04.08.2008

Revision Date : 30.10.2007

Page 4 of 9

Commercial Product Name: **ATF OIL**

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Material number: G05502501

Version : 1.5

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures

General advice : Provide adequate ventilation.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work.

For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Eye protection : Safety glasses

Skin and body protection : Long sleeved clothing

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.
Avoid contact with the skin and the eyes.
When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid

Colour : red

Odour : characteristic

Safety data

pH : not applicable

Melting point/range : not applicable



SAFETY DATA SHEET

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Print Date: 04.08.2008

Revision Date : 30.10.2007

Page 5 of 9

Commercial Product Name: **ATF OIL**

Part number: G 055025A2

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<u>Solidification / Setting point</u>	: no data available
<u>Boiling point/boilingrange</u>	: > 316 °C
<u>Flash point</u>	: > 185 °C
<u>Autoignition temperature</u>	: no data available
<u>Lower explosion limit</u>	: 0,9 %(V)
<u>Upper explosion limit</u>	: 7 %(V)
<u>Vapour pressure</u>	: < 0,013 kPa at 20 °C
<u>Density</u>	: 0,85 g/cm3 at 15 °C
<u>Water solubility</u>	: negligible
<u>Viscosity, kinematic</u>	: 33 mm2/s at 40 °C
<u>Viscosity, kinematic</u>	: 7,1 mm2/s at 100 °C

10. STABILITY AND REACTIVITY

<u>Conditions to avoid</u>	: Keep away from heat and sources of ignition.
<u>Materials to avoid</u>	: Strong oxidizing agents
<u>Hazardous decomposition products</u>	: Carbon dioxide (CO ₂), carbon monoxide (CO), oxides of nitrogen (NO _x), dense black smoke. Sulphur oxides Aldehydes
<u>Hazardous reactions</u>	:
	Stability: Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

<u>Acute oral toxicity</u>	: LD50 rat Dose: > 2.000 mg/kg Data from similar compositions
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SAFETY DATA SHEET

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Print Date: 04.08.2008

Revision Date : 30.10.2007

Page 6 of 9

Commercial Product Name: **ATF OIL**

Part number: G 055025A2

Material number: G05502501

Version : 1.5

Acute inhalation toxicity : LC50
Dose: > 5 mg/l
Data from similar compositions

Acute dermal toxicity : LD50 rat
Dose: > 2.000 mg/kg
Data from similar compositions

Skin irritation : No known irritant effect.

Eye irritation : No known irritant effect.

Sensitisation : No known sensitising effect.

Further information : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Components:

Kerosine (petroleum); Straight run kerosine 8008-20-6

Acute oral toxicity: LD50 rat
Dose: 5.000 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: > 2.000 mg/kg

Acute inhalation toxicity: LC50 rat
Dose: 5,28 mg/l
Exposure time: 4 h

Skin irritation: Classification: Irritating to skin.
Result: Skin irritation

12. ECOLOGICAL INFORMATION

Further information on ecology

Adsorbed organic bound halogens (AOX) : not included

Other ecotoxicological advice : The product should not be allowed to enter drains, water courses or the soil.

13. DISPOSAL CONSIDERATIONS

Advice on disposal and packaging : Disposal:
In accordance with local and national regulations.



SAFETY DATA SHEET

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Print Date: 04.08.2008

Revision Date : 30.10.2007

Page 7 of 9

Commercial Product Name: **ATF OIL**

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EU Waste code: EWC : Waste Key (unused product) :
130205, mineral-based non-chlorinated engine, gear and lubricating oils

Waste key (used product) :
130205, mineral-based non-chlorinated engine, gear and lubricating oils

Disposal of uncleaned packaging : Waste key (uncleaned packaging) :
150110, packaging containing residues of or contaminated by dangerous substances

14. TRANSPORT INFORMATION

Land transport

ADR

UN Number : 3082
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(alkyl phosphite)

Class : 9
Packaging group : III
Classification Code : M6
Hazard identification No : 90
ADR/RID-Labels : 9

RID

UN Number : 3082
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(alkyl phosphite)

Class : 9
Packaging group : III
Classification Code : M6
Hazard identification No : 90
ADR/RID-Labels : 9

Air transport

IATA

UN Number : 3082
Proper technical name : Environmentally hazardous substance, liquid, n.o.s.
(alkyl phosphite)

Class : 9
Packaging group : III
ICAO-Labels : 9MI
Packing instruction (cargo aircraft) : 914
Packing instruction (passenger aircraft) : 914
Packing instruction (passenger aircraft) : Y914

Sea transport

IMDG

Substance No. : UN 3082
Proper technical name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

Print Date: 04.08.2008

Revision Date : 30.10.2007

Page **8** of **9**

Commercial Product Name: **ATF OIL**

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	(alkyl phosphite)
Class	: 9
Packaging group	: III
IMDG-Labels	: 9
EmS Number	: F-A S-F
Marine pollutant	: no

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol(s) : N Dangerous for the environment



R-phrase(s) : R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) : S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

VOC: : no VOC duties

<u>Seveso Directive</u> (96/82/EC)	: Update: 2003	Quantity 1	Quantity 2
	Dangerous for the environment	200 t	500 t

National legislation

16. OTHER INFORMATION

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

R10	Flammable.
R21	Harmful in contact with skin.
R34	Causes burns.



SAFETY DATA SHEET

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Revision Date : 30.10.2007

Page 9 of 9

Commercial Product Name: **ATF OIL**

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R38	Irritating to skin.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.