



SAFETY DATA SHEET

according to EC directive 91/155/EEC

Print Date: 18.07.2006

Revision Date : 19.03.2004

Page 1 of 8

Trade name: **ATF OIL**

Part number: G 052180A2

Material number: G05218001

Version : 1

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

Product information

Trade name : ATF OIL
Company : Volkswagen AG
38436 Wolfsburg
Telephone : +495614903267
Telefax : +4956149083267
Contact person : Department PM-V
Emergency telephone number : 030 / 19240 (Germany)
+49 / 5361 / 9 - 23222 (Other)

Use

Type of use : Polishing agent and lubricant

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Synthetic lubricants, Additives

Hazardous components

Chemical Name	CAS-No.	EC-No.	Symbol(s)	R-phrases	Concentration [%]
Zincdialkyldithiophosphate	68649-42-3		Xi, N	R38-R41-R51/53	0,50 - 1,00
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1		N	R51/53	0,50 - 1,00
alkyl phosphite			C, N	R21-R34-R50/53	0,50 - 1,00



SAFETY DATA SHEET

according to EC directive 91/155/EEC

Print Date: 18.07.2006

Revision Date : 19.03.2004

Page 2 of 8

Trade name: **ATF OIL**

Part number: G 052180A2

Material number: G05218001

Version : 1

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Prevent product from entering drains.

R-phrased(s) : R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

General advice : If you feel unwell, seek medical advice (show the label where possible).
Remove from exposure, lie down.
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.
In the case of inhalation of aerosol/mist consult a physician if necessary.

Skin contact : Wash off immediately with soap and plenty of water.

Eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Seek medical advice.

Ingestion : If swallowed, seek medical advice immediately and show this container or label.
Do not induce vomiting.
Rinse mouth.
Ingest activated charcoal.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.



SAFETY DATA SHEET

according to EC directive 91/155/EEC

Print Date: 18.07.2006

Revision Date : 19.03.2004

Page 3 of 8

Trade name: **ATF OIL**

Part number: G 052180A2

Material number: G05218001

Version : 1

- Extinguishing media which must 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
- 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.
- 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 (see section 13).
- 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 of preventive fire protection.



SAFETY DATA SHEET

according to EC directive 91/155/EEC

Print Date: 18.07.2006

Revision Date : 19.03.2004

Page 4 of 8

Trade name: **ATF OIL**

Part number: G 052180A2

Material number: G05218001

Version : 1

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.

German storage class : 10, Combustible liquids neither in Storage Class 3A nor 3B

Storage period : 24 Months

Storage temperature : 5 - 30 °C

Remarks : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

General advice : Provide adequate ventilation.

Personal protective equipment

Respiratory protection : Not required; except in case of aerosol formation.

Hand protection

Material : Neoprene gloves
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 : tightly fitting safety goggles



SAFETY DATA SHEET

according to EC directive 91/155/EEC

Print Date: 18.07.2006

Revision Date : 19.03.2004

Page 5 of 8

Trade name: **ATF OIL**

Part number: G 052180A2

Material number: G05218001

Version : 1

Skin and body protection : long sleeved clothing

Hygiene measures : 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 : light brown

Safety data

Pour point : -63 °C

Flash point : 236 °C

Autoignition temperature : > 230 °C

Lower explosion limit : 0,6 %(V)

Upper explosion limit : 6,0 %(V)

Density : 0,84 g/cm³

Water solubility : negligible

Viscosity, kinematic : 39,4 mm²/s
at 40 °C

Viscosity, kinematic : 7,6 mm²/s
at 100 °C

10. STABILITY AND REACTIVITY

Materials to avoid : strong oxidizing agents

Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Thermal decomposition : No decomposition if stored and applied as directed.



SAFETY DATA SHEET

according to EC directive 91/155/EEC

Print Date: 18.07.2006

Revision Date : 19.03.2004

Page 6 of 8

Trade name: **ATF OIL**

Part number: G 052180A2

Material number: G05218001

Version : 1

Hazardous reactions

Stability:
Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (other route) : no data available

Skin irritation : Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin. Prolonged skin contact may cause skin irritation.

Eye irritation : Mild eye irritation
Strong lachrymation can make it difficult to escape

Further information : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Inhalation of decomposition products in high concentration may cause shortness of breath (lung oedema).

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.

EU Waste code: EWC : Waste Key (unused product) :
130206, synthetic engine, gear and lubricating oils

Waste key (used product) :
130206, synthetic engine, gear and lubricating oils



SAFETY DATA SHEET

according to EC directive 91/155/EEC .

Print Date: 18.07.2006

Revision Date : 19.03.2004

Page 7 of 8

Trade name: **ATF OIL**

Part number: G 052180A2

Material number: G05218001

Version : 1

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

14. TRANSPORT INFORMATION

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

15. REGULATORY INFORMATION

Labelling according to EEC Directive

<u>R-phrase(s)</u>	: R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<u>S-phrase(s)</u>	: S 2	Keep out of reach of children.
	S46	If swallowed, seek medical advice immediately and show this container or label.
	S56	Dispose of this material and its container to hazardous or special waste collection point.
	S61	Avoid release to the environment. Refer to special instructions/Safety data sheets.

National legislation

Other regulations : § 7 AltöIV: "Dieses Öl gehört nach Gebrauch in eine Altölannahmestelle. Unsachgemäße Beseitigung von Altöl gefährdet die Umwelt. Jede Beimischung von Fremdstoffen wie Lösemittel, Brems- und Kühlfüssigkeiten ist verboten!" -> 87/101/EEC -> 91/156/EEC (German regulatory requirements)



SAFETY DATA SHEET

according to EC directive 91/155/EEC

Print Date: 18.07.2006

Revision Date : 19.03.2004

Page 8 of 8

Trade name: **ATF OIL**

Part number: G 052180A2

Material number: G05218001

Version : 1

16. OTHER INFORMATION

R-phrases corresponding to the number shown in section 2 :

R21	Also harmful in contact with skin.
R34	Causes burns.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
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.

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.