



Material Safety Data Sheet

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Revision Date : 12/18/2007

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Commercial Product Name: **ATF OIL**

Part number: G 052990A2

Version : 1.0

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ATF OIL
MSDS Number : 888100000246
Product Use Description : Polishing agent and lubricant
Company : Volkswagen of America
3800 Hamlin Road
Auburn Hills, Michigan
USA 48326
Telephone : 248 754 4944
8:00 am. – 5:00 pm. EST
Telefax : 248 754 4943
Emergency telephone : 1 800 255 3924

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Regulatory status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Signal Word : CAUTION
Form : liquid
Odour : characteristic
Odour - Control parameters : no data available
Hazard Summary : Irritant

Potential Health Effects

Eyes : May cause eye irritation.
Skin : May cause skin irritation.
Target Organs : Skin
Eyes

Carcinogenicity:

ACGIH : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.



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- NTP** : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- IARC** : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- OSHA** : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- CA Prop 65** : This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight %
mineral oil		>= 20 - < 25
Lubricating oils (petroleum)		>= 10 - < 12.5
Automatic Transmission Fuel Additive		>= 7 - < 10
Distillates (petroleum)		>= 3 - < 5

SECTION 4. FIRST AID MEASURES

- General advice** : 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. Move out of dangerous area.
- 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** : 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.



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SECTION 5. FIRE-FIGHTING MEASURES

- Form : liquid
Flash point : 210 °C (410 °F)
- 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 section 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.

SECTION 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.
Suppress (knock down) gases/vapours/mists with a water spray jet.



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SECTION 7. HANDLING AND STORAGE

Handling

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.
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.

Other data : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components	CAS-No.	List	Type	Value	Update
mineral oil		ACGIH	TWA	5 mg/m3	2007
		ACGIH	STEL	10 mg/m3	2007
		ACGIH NIC	TWA	0.2 mg/m3	2007

Engineering measures : Provide adequate ventilation.

Eye protection : Safety glasses

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.



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- Skin and body protection : Long sleeved clothing
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- 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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : liquid
- Odour : characteristic
- Flash point : 210 °C (410 °F)
- pH : not applicable
- Density : 0.8548 g/cm³
at 15 °C (59 °F)
- Viscosity, kinematic : 33.52 mm²/s
at 40 °C (104 °F)
- Viscosity, kinematic : 7.350 mm²/s
at 100 °C (212 °F)
- Volatile organic compounds (VOC) content : 0.00 %

SECTION 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.
Aldehydes
Ketones
- Hazardous reactions : Note: Stable under recommended storage conditions.



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SECTION 11. TOXICOLOGICAL INFORMATION

- Acute inhalation toxicity : Health injuries are not known or expected under normal use.
- Skin irritation : Prolonged skin contact may cause skin irritation.
- Eye irritation : Contact with eyes may cause irritation.
Strong lachrymation can make it difficult to escape
- Carcinogenicity : No data is available on the product itself.
- Toxicity to reproduction : No data is available on the product itself.
- Teratogenicity : No data is available on the product itself.
- Further information : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

Component:

mineral oil

Acute oral toxicity: LD50 rat
Dose: > 5,000 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: > 5,000 mg/kg

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

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

Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation

Lubricating oils (petroleum)

Acute oral toxicity: LD50 rat
Dose: > 5,000 mg/kg

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

Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation

Automatic Transmission Fuel
Additive

Acute oral toxicity: LD50 rat
Dose: > 5,000 mg/kg
Data from similar compositions
Acute dermal toxicity: LD50 rabbit
Dose: > 2,000 mg/kg
Data from similar compositions
Skin irritation: Classification: Irritating to skin.
Result: Skin irritation



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Distillates (petroleum)

Acute oral toxicity: LD50 rat
Dose: > 5,000 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: > 5,000 mg/kg

Acute inhalation toxicity: LC50 rat
Dose: > 4 mg/l
Exposure time: 4 h

Skin irritation: Result: Mild skin irritation

SECTION 12. ECOLOGICAL INFORMATION

Adsorbed organic bound halogens (AOX) : not included
Volatile organic compounds (VOC) content : 0.00 %
Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION

DOT 49 CFR

Not dangerous goods

TDGR

Not dangerous goods

ICAO / IATA-DGR

Not dangerous goods



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IMDG-Code

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Moderate skin irritant
Moderate eye irritant

TSCA Status : On TSCA Inventory

DSL Status : This product contains the following components that are not on the Canadian DSL nor NDSL lists.

Additive containing: alkyl methacrylate copolymer and highly refined mineral oils

SARA 311/312 Hazards : Acute Health Hazard

PENN RTK US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

Components	CAS-No.
<u>Additive containing: alkyl methacrylate copolymer and highly refined mineral oils</u>	
<u>Automatic Transmission Fuel Additive</u>	
<u>Lubricating oils (petroleum)</u>	
<u>mineral oil</u>	
<u>Lubricating oils (petroleum)</u>	



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Distillates (petroleum)

MASS RTK

US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

Components

CAS-No.

Distillates (petroleum)

NJ RTK

US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

Components

CAS-No.

Additive containing: alkyl methacrylate copolymer and highly refined mineral oils

Automatic Transmission Fuel Additive

Lubricating oils (petroleum)

mineral oil

Lubricating oils (petroleum)

SARA III

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA III

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR355, Appendix A)

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

California Prop. 65

: This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

SECTION 16. OTHER INFORMATION

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



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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.

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