

according to Regulation (EG) No. 1907/2006

1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade Name:

VAICO ATF 6HP

VAICO No.:

V60-0172, V60-0173, V60-0174, V60-0175

1.2. Informing department

VIEROL AG | Karlstraße 19 | 26123 Oldenburg | Germany

Telefon +49 441 - 210 20-0 | Telefax +49 441 - 210 20-111

1.3. Emergency telephone number

Tel.: +44 1232 - 24 80 95

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

This mixture is not classified as dangerous according to Directive 1999/45/EC.

2.2. Label elements

2.3. Other hazards

No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Mixtures

Hazardous components

EG-No	Chemical name	quantity
CAS-No	Classification	
Index-No	GHS classification	
REACH-No		
276-738-4	Baseoil-unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil based	0.1 %
72623-87-1		
649-483-00-5	Asp: Tox. 1; H304	

Full text of R and H phrases: see Section 16.

3.2. Further Information

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

4. FIRST AID MEASURES

Description of first aid measures

4.1. General information

- 4.1.1. Self-protection of the first aider.
Change contaminated clothing.
Do not put any product-impregnated cleaning rags into your trouser pockets.
- 4.1.2. After inhalation
In case of inhalation of aerosols/spray mist/splash spots: Consult physician. Provide fresh air.
Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- 4.1.3. After contact with skin
After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.
If skin irritation or rash occurs: Get medical advice/attention.
- 4.1.4. After contact with eyes
Rinse immediately carefully and thoroughly with eye-bath or water.
In case of troubles or persistent symptoms, consult an ophthalmologist.
- 4.1.5. After ingestion
Rinse mouth immediately and drink large quantities of water.
If swallowed, do not induce vomiting: seek medical advice immediately and show this container label.

4.2. Indication of any immediate medical attention and special treatment needed

Caution if victim vomits: Risk of aspiration!
Aspiration hazard: Immediately get medical attention.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

- 5.1.1. Suitable extinguishing media
Extinguishing materials should be selected according to the surrounding area.
Carbon dioxide (CO₂). Dry extinguishing powder. Foam.
- 5.1.2. Extinguishing media which must not be used for safety reasons
High power water jet.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance itself, combustion products, resulting gases: Carbon dioxide (CO₂). Carbon monoxide. Sulfur oxides. Phosphorus oxides. Hydrogen sulphide (H₂S).

5.3. Advice for firefighters

Carbon black
In case of fire: Wear self-contained breathing apparatus.
In case of fire and/or explosion do not breathe fumes.
In case of fire: Wear self-contained breathing apparatus.

5.3.1. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Waste disposal according to official state regulations.
Use water spray/stream to protect personnel and to cool endangered containers.

6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures**
High slip hazard because of leaking or spilled product. Wear suitable protective clothing.
Wear respiratory protection when in the presence of vapour, dust, and aerosols.
- 6.2. Environmental precautions**
Do not empty into drains or the aquatic environment.
Prevent spreading over great surfaces (e.g. by damming or installing oil booms).
- 6.3. Methods and material for containment and cleaning up**
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the assimilated material according to the section on waste disposal.
- 6.4. Reference to other sections**
In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling**
- 7.1.1. Advice on safe handling
Protect skin by using skin protective cream. Wash hands before breaks and at the end of work.
Conditions to avoid: aerosol or mist generation.
- 7.1.2. Advice on protection against fire and explosion
No special measures are necessary.
When using do not smoke.
Fire class: B (German Industry Norms (DIN) / European Norms (EN): EN2)
- 7.2. 7.2 Conditions for safe storage, including any incompatibilities**
- 7.2.1. Requirements for storage rooms and vessels
Keep container tightly closed.
Keep away from heat. Keep/Store only in original container.
- 7.2.2. Advice on storage compatibility
Do not store together with: Food and fodder, Oxidizing agents.
- 7.2.3. Further information on storage conditions
If product enters soil, it will be mobile and may contaminate groundwater Keep away from heat.
verunreinigen. Von Hitze fernhalten.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

8.2. 8.2 Exposure controls

8.2.1. Protective and hygiene measures

When using do not eat, drink or smoke.
 Change contaminated clothing.
 Wash hands before breaks and at the end of work.
 Protect skin by using skin protective cream.
 Keep away from food, drink and animal feedingstuffs.
 Do not breathe vapour.

8.2.2. Respiratory protection

Wear respiratory protection when in the presence of vapour, dust, and aerosols.

8.2.3. Hand protection

Wear suitable gloves.

8.2.4. Eye protection

In case of fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

8.2.5. Skin protection

In case of fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<i>Physical state:</i>	<i>liquid</i>	
<i>Colour:</i>	<i>yellow-brown</i>	
<i>Odour:</i>	<i>characteristic</i>	<i>test method</i>
<i>pH-value:</i>	<i>not applicable</i>	<i>DIN 51369</i>
<i>Pourpoint:</i>	<i>~-42°C</i>	<i>DIN ISO 3016</i>
<i>Flash point:</i>	<i>> 170°C</i>	<i>DIN ISO 2592</i>
<i>Ignition temperature:</i>	<i>no data available</i>	
<i>Vapour pressure (at 20 °C):</i>	<i>< 0.1 hPa</i>	
<i>Dichte (at 15 °C):</i>	<i>~0.853 g/cm³</i>	<i>DIN 51757</i>
<i>Water solubility (at 20 °C):</i>	<i>practically insoluble</i>	

Solubility in other solvents

<i>Soluble in hydrocarbons (mineral oil.)</i>		
<i>Viscosity/kinematic (at 40 °C):</i>	<i>~31 mm²/s</i>	<i>DIN ISO 3104</i>
<i>Solvent separation test:</i>	<i>no data available</i>	
<i>Solvent content:</i>	<i>none solvents</i>	

9.2. Other information

none

10. STABILITY AND REACTIVITY

- 10.1. Reactivity**
This product is stable under normal conditions. Hazardous reactions are unlikely.
- 10.2. Chemical stability**
No thermal decomposition if properly stored / handled / transported.
Onset of decomposition at elevated temperatures (>100°C)
- 10.3. Possibility of hazardous reactions**
possible with strong oxidizing agents.
This product is stable under normal conditions. Hazardous reactions are unlikely.
- 10.4. Conditions to avoid**
Oxidizing agents, strong.
- 10.5. Incompatible materials**
Oxidizing agents, strong.
- 10.6. Hazardous decomposition products**
none
- 10.6.1. Further information
No thermal decomposition if properly stored / handled / transported.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

- 11.1.1. Acute toxicity
No data available
Irritant effect on the respiratory tract: Do not breathe gas/vapour.

CAS-No	Chemical name				
	exposure routes	method	dose	species	source
72623-87-1	Baseoil-unsoecified, lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based				
	oral	LD50 mg/kg	=> 5000	Rat	OECD 401
	dermal	LD50 mg/kg	=> 2000	Rabbit	OECD 402
	inhalative (4h)	LC50 mg/l	=> 5.53	Rat	OECD 403

Specific effects in experiment on an animal: no data available.

- 11.1.2. Irritation and corrosivity
Irritant effect on the skin: none
Frequent and prolonged eye contact may cause eye irritation.
- 11.1.3. Sensitising effects
Due to the very low concentration of sensitizing substances, the finished product can be assumed not to be skin-sensitizing.
- 11.1.4. Severe effects after repeated or prolonged exposure
Frequently or prolonged contact with skin may cause dermal irritation.
- 11.1.5. Carcinogenic/mutagenic/toxic effects for reproduction
The product is not classified.
- 11.1.6. Additional information on tests
The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).
- 11.2. Empirical data on effects on humans**
Has de-greasing effect on the skin.
No special hazards known when the product is properly used and the precautionary measures indicated are observed.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS-No	Chemical name	method	dose	h	species	source
72623-87-1	<i>Baseoil-unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based</i>					
	<i>Acute fish toxicity</i>	<i>LC50</i>	<i>> 100 mg/l</i>	<i>96</i>	<i>–</i>	<i>OECD 203</i>
	<i>Acute algae toxicity</i>	<i>ErC50</i>	<i>>= 100 mg/l</i>	<i>72</i>	<i>–</i>	<i>OECD 201</i>
	<i>Acute crustacean toxicity</i>	<i>EC50</i>	<i>> 10 000 mg/l</i>	<i>48</i>	<i>–</i>	<i>OECD 202</i>

12.2. Persistence and degradability

Due to its low solubility in water the product is almost completely mechanically separated in biological waste water treatment plants. Is eliminable from water only with difficulty. Not easily bio-degradable (according to OECD-criteria). Product is partially biodegradable. Significant residues remain. Post-use oils must not be discharged into the sewer system or into surface waters nor must they be allowed to enter the soil.

12.3. Bioaccumulative potential

No data available.

Do not allow uncontrolled leakage of product into the environment.

Partition coefficient n-octanol/water

CAS-No	Chemical name	Log Pow
72623-87-1	Baseoil-unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	> 6

12.4. Mobility in soil

No data available.

12.5. Other adverse effects

Aquatic organisms: No data available.

Effects in sewage plants No data available.

No data available.

12.5.1. Further information

Do not empty into drains or the aquatic environment. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Advice on disposal

The waste codes stated are recommendations based on the expected use of the substance and may be re-assigned to other waste codes by the user, if applicable. Waste disposal according to official state regulations.
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

13.1.2. Waste disposal number of waste from residues/unused products

130205 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils. Classified as hazardous waste.

13.1.3. Waste disposal number of used product

130205 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils. Classified as hazardous waste.

13.1.4. Contaminated packaging

Dispose of this material and its container to hazardous or special waste collection point. Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

14. TRANSPORT INFORMATION

14.1. Land transport (ADR/RID)

UN proper shipping name: ATF
Other applicable information (land transport)
No dangerous good in sense of this transport regulation.

14.2. Inland waterways transport (AND)

UN proper shipping name: ATF
Other applicable information (inland waterways transport)
No dangerous good in sense of this transport regulation.

14.3. Seeschifftransport

UN proper shipping name: ATF
Other applicable information (marine transport)
No dangerous good in sense of this transport regulation.

14.4. Lufttransport

UN proper shipping name: ATF
Other applicable information (air transport)
No dangerous good in sense of this transport regulation.

15. REGULARY INFORMATION

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

15.1.1. EU regulatory information

15.1.2. Additional information

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

15.1.3. National regulatory information

Water contaminating class (D): 1-water contaminating

16. OTHER INFORMATION

Full text of H statements referred to under Sections 2 and 3

H304 May be fatal if swallowed and enters airways.

16.1. Further information

The above mentioned information are based on the present state of our knowledge and experience, and describe our product according to the safety requirements. The information are no assurance of properties. We cannot guarantee the flawlessness and completeness.