



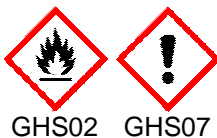
## 1 Identification

- **Product identifier**
- **Trade name:** AIR FILTER OIL SPRAY
- **Application of the substance / the mixture** Only for proper handling.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 BUCHER\_AG\_LANGENTHAL  
 MOTOREX-Schmiertechnik  
 Bern-Zürich-Strasse\_31\_\_  
 CH-4901\_Langenthal\_\_  
 Telefon\_+41\_(0)62\_919\_75\_75  
  
 Lube-Tech  
 Lubrication Technologies, Inc.  
 900 Mendelssohn Avenue North  
 US-55427 Golden Valley, Minnesota  
 Phone: 001 763 417 1357
- **Information department:** [msds@motorex.com](mailto:msds@motorex.com)
- **Emergency telephone number:**  
 Toxicological Information Centre  
 CH-8028 Zurich  
[info@toxi.ch](mailto:info@toxi.ch)  
 T. +41 (0)44 251 51 51  
 USA + Kanada: 1 800 424 9300 (Chemtrec Chemical Manufacturers Association, Arlington, VA 22209)

## 2 Hazard(s) identification

- **Classification of the substance or mixture**
- 
 GHS02 Flame  
  
 Flam. Aerosol 1    H222-H229    *Extremely flammable aerosol. Pressurized container: May burst if heated.*
- 
 GHS07  
  
 STOT SE 3    H336    *May cause drowsiness or dizziness.*
- Aquatic Acute 3    H402    *Harmful to aquatic life.*
- Aquatic Chronic 3    H412    *Harmful to aquatic life with long lasting effects.*

- **Label elements**
- **GHS label elements**  
 The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



# Safety Data Sheet


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Printing date 03/22/2016

Reviewed on 03/22/2016

**Trade name: AIR FILTER OIL SPRAY**

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- **Signal word** *Danger*
- **Hazard-determining components of labeling:**  
*Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics acetone*
- **Hazard statements**  
*H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.*  
*H336 May cause drowsiness or dizziness.*  
*H402 Harmful to aquatic life.*  
*H412 Harmful to aquatic life with long lasting effects.*
- **Precautionary statements**  
*P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.*  
*P251 Do not pierce or burn, even after use.*  
*P211 Do not spray on an open flame or other ignition source.*  
*P261 Avoid breathing dust/fume/gas/mist/vapors/spray*  
*P273 Avoid release to the environment.*  
*P271 Use only outdoors or in a well-ventilated area.*  
*P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.*  
*P312 Call a POISON CENTER/doctor if you feel unwell.*  
*P405 Store locked up.*  
*P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.*  
*P403+P233 Store in a well-ventilated place. Keep container tightly closed.*  
*P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**  

  - Health = 0
  - Fire = 4
  - Reactivity = 3
- **HMIS-ratings (scale 0 - 4)**  

HEALTH	0	Health = 0
FIRE	4	Fire = 4
REACTIVITY	3	Reactivity = 3
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization:** *Mixtures*
- **Description:** *Mixture of the substances listed below with nonhazardous additions.*
- **Dangerous components:** *Void*

### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
- **After skin contact:** *Generally the product does not irritate the skin.*
- **After eye contact:** *Rinse opened eye for several minutes under running water.*
- **After swallowing:** *If symptoms persist consult doctor.*

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- **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.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **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.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.  
Do not spray on a naked flame or any incandescent material.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 2 B
- **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.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Wash hands before breaks and at the end of work.
- **Breathing equipment:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Not required.

### 9 Physical and chemical properties

#### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

Form: Liquefied gas

Color: Blue

· Odor: Solvent-like

· Odor threshold: Not determined.

· pH-value: Not determined.

#### · Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Not applicable, as aerosol.

· Flash point: < -30 °C (< -22 °F)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 310 °C (590 °F) (DIN 51794)

· Decomposition temperature: Not determined.

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· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	0.9 Vol %
<b>Upper:</b>	8.5 Vol %
· <b>Vapor pressure at 20 °C (68 °F):</b>	2100 hPa (1575 mm Hg)
· <b>Density at 20 °C (68 °F):</b>	0.796 g/cm <sup>3</sup> (6.643 lbs/gal) (ASTM D 4052)
· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	<1 mm <sup>2</sup> /s @ 40 °C (DIN 51562-1)
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **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.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

- **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.

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**· OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
 Water hazard class 1 (Self-classification according VwVwS, 17.05.1999): slightly hazardous for water  
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
 Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:**  
 Disposal must be made according to official regulations.  
 Discharged containers can contain flammable or explosive vapours.

### 14 Transport information

- |                                   |                     |
|-----------------------------------|---------------------|
| · <b>UN-Number</b>                |                     |
| · <b>DOT, ADR,ADN, IMDG, IATA</b> | UN1950              |
| · <b>UN proper shipping name</b>  |                     |
| · <b>DOT, IATA</b>                | Aerosols, flammable |
| · <b>ADR/ADN</b>                  | 1950 Aerosols       |
| · <b>IMDG</b>                     | AEROSOLS            |

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· **Transport hazard class(es)**· **DOT**

· **Class** 2.1  
 · **Label** 2.1

· **ADR/ADN**

· **Class** 2 5F Gases  
 · **Label** 2.1

· **IMDG, IATA**

· **Class** 2.1  
 · **Label** 2.1

· **Packing group**· **DOT, ADR,ADN, IMDG, IATA** Void· **Environmental hazards:**· **Marine pollutant:** No· **Special precautions for user** Warning: Gases· **Danger code (Kemler):** -· **EMS Number:** F-D,S-U· **Stowage Code** SW1 Protected from sources of heat.· **Segregation Code**

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.  
 SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

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**· Transport/Additional information:**
**· ADR/ADN**
**· Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

**· IMDG**
**· Limited quantities (LQ)**

1L

**· Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

**· UN "Model Regulation":**

UN 1950 AEROSOLS, 2.1

### 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):**

None of the ingredients is listed.

**· 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.

**· Carcinogenic categories**
**· EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**· TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

**· NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

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

### 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.

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**Trade name: AIR FILTER OIL SPRAY**

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- **Department issuing SDS:** *Abteilung Produktsicherheit*

- **Date of preparation / last revision** 03/22/2016 / -

- **Abbreviations and acronyms:**

*Flam. Aerosol 1: Flammable aerosols, Hazard Category 1*

*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*

*Aquatic Acute 3: Hazardous to the aquatic environment - Acute Hazard, Category 3*

*Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3*

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