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## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 04.12.2008 Revision: 04.12.2008

### 1 Identification of the substance/preparation and of the company/undertaking

#### · Product details

· Trade name: Filter Cleaner Bio

· Article number: 6389

· Application of the substance /

the preparation Degreaser

· Manufacturer/Supplier: BO Motor Oil

Rootven 10

5531 MB Bladel

Tel.: +31 (0)497 384847

· Further information obtainable

from: Product safety department - info@bomotoroil.com

· Information in case of

emergency: +31 (0)497 384847 (9 AM to 4 PM, Monday to Friday)

### 2 Hazards identification

· Hazard description:

Xn Harmful

N Dangerous for the environment

· Information concerning

particular hazards for human

and environment: The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 43 May cause sensitisation by skin contact.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

· Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· GHS label elements

**Danger**

3.10/1 - May be fatal if swallowed and enters airways.

**Warning**

3.4/1 - May cause an allergic skin reaction.

**Warning**

2.6/4 - Combustible liquid.

4.1/2 - Toxic to aquatic life with long lasting effects.

· Prevention: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

· Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water.

Specific treatment (see label).

Do NOT induce vomiting.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

Collect spillage.

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· **Storage:** Store in a well-ventilated place. Keep cool.  
Store locked up.

· **Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3 Composition/information on ingredients

· **Dangerous components:**

CAS: 64742-81-0

EINECS: 265-184-9

Kerosine (petroleum), hydrodesulfurized

Xn; R 65

Danger: 3.10/1

50-100%

CAS: 5989-27-5

EINECS: 227-813-5

(R)-p-mentha-1,8-diene

Xi, N; R 10-38-43-50/53

Warning: 2.6/3; 4.1.C/1; 3.2/2, 3.4.S/1

2.5-10%

CAS: 26635-93-8 Ethoxylated Oleylamine

Xn, Xi, N; R 22-38-41-50/53

Danger: 3.1.O/3, 3.2/2; 3.3/1

Warning: 4.1.C/1

2.5-10%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First-aid measures

· **After inhalation:** Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Do not induce vomiting; call for medical help immediately.

### 5 Fire-fighting measures

· **Suitable extinguishing agents:** CO<sub>2</sub>, dry chemical, or foam. Water can be used to cool and protect exposed material.

· **For safety reasons unsuitable**

**extinguishing agents:** Water with full jet

· **Special hazards caused by the**

**substance, its products of**

**combustion or resulting**

**gases:** Formation of toxic gases is possible during heating or in case of fire.

· **Protective equipment:** Wear self-contained respiratory protective device.

Wear fully protective suit.

### 6 Accidental release measures

· **Person-related safety**

**precautions:** Wear protective clothing.

· **Measures for environmental**

**protection:** Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· **Measures for cleaning/**

**collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· **Additional information:** 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:

· **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

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### · Information about fire - and

**explosion protection:** No special measures required.

### · Storage:

#### · Requirements to be met by

**storerooms and receptacles:** Store only in the original receptacle.

#### · Information about storage in

**one common storage facility:** Not required.

#### · Further information about

**storage conditions:** Store in cool, dry conditions in well sealed receptacles.

## 8 Exposure controls/personal protection

### · Additional information about

**design of technical facilities:** No further data; see item 7.

### · Ingredients 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 valid during the making were used as basis.

### · Personal protective equipment:

#### · General protective and

**hygienic measures:** Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Do not inhale gases / fumes / aerosols.

· **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

### · Protection of hands:

Protective gloves

· **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.

Nitrile rubber, NBR

PVC gloves

### · 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:** Goggles recommended during refilling

· **Body protection:** Protective work clothing

## 9 Physical and chemical properties

### · General Information

**Form:** Fluid

**Colour:** Light brown

**Odour:** Nearly odourless

### · Change in condition

**Melting point/Melting range:** < 0°C

**Boiling point/Boiling range:** > 150°C

· **Flash point:** > 62°C

· **Ignition temperature:** > 230°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapour pressure at 20°C:** < 5 hPa

· **Density at 20°C:** 0.82 g/cm<sup>3</sup>

### · Solubility in / Miscibility with

**water:** Emulsifiable.

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· **organic solvents:** Soluble in many organic solvents.

· **Solvent content:**

**Organic solvents:** 9.9 %

### 10 Stability and reactivity

· **Dangerous reactions** Reacts with strong oxidizing agents.

· **Dangerous decomposition**

**products:** No dangerous decomposition products known.

### 11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

**5989-27-5 (R)-p-mentha-1,8-diene**

Oral LD50 4400 mg/kg (rat)

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** Sensitization possible through skin contact.

· **Additional toxicological**

**information:** The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

· **Sensitisation** May cause sensitisation by skin contact.

### 12 Ecological information

· **Information about elimination (persistence and degradability):**

· **Other information:** The product is biodegradable.

· **Ecotoxicological effects:**

· **Remark:** Toxic for fish

· **General notes:** Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

### 13 Disposal considerations

· **Product:**

· **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

14 06 03 other solvents and solvent mixtures

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing**

**agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** 9 Miscellaneous dangerous substances and articles.

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- **Danger code (Kemler):** 90
- **UN-Number:** 3082
- **Packaging group:** III
- **Hazard label** 9
- **Description of goods:** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, Ethoxylated Oleylamine)
- **Maritime transport IMDG:**
  - **IMDG Class:** 9
  - **UN Number:** 3082
  - **Label** 9
  - **Packaging group:** III
  - **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
  - **ICAO/IATA Class:** 9
  - **UN/ID Number:** 3082
  - **Label** 9
  - **Packaging group:** III
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, Ethoxylated Oleylamine)
- **UN "Model Regulation":**  
UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
- **Environmental hazards:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID

### 15 Regulatory information

- **Labelling according to EU guidelines:** The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

#### · **Code letter and hazard**

##### **designation of product:**

Xn Harmful

N Dangerous for the environment

#### · **Hazard-determining**

**components of labelling:** Kerosine (petroleum), hydrodesulfurized

(R)-p-mentha-1,8-diene

- **Risk phrases:** 43 May cause sensitisation by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

- **Safety phrases:** 2 Keep out of the reach of children.

23 Do not breathe fumes/aerosol.

24 Avoid contact with skin.

37 Wear suitable gloves.

57 Use appropriate container to avoid environmental contamination.

62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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· **National regulations:**

· **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

### 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.

· **Relevant R-phrases** 10 Flammable.

22 Harmful if swallowed.

38 Irritating to skin.

41 Risk of serious damage to eyes.

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

· **Department issuing MSDS:** Product safety department.

· **Contact:** Product safety department

· **Abbreviations and acronyms:** ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

· **Sources** 67/548/EEC - Dangerous Substances Directive

99/45/EEC - Dangerous Preparations Directive