

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)



**FRITZ SCHUR**  
**CONSUMER PRODUCTS A/S**

**Trade name :** Bio Grill liquid  
**Revision date :** 26-05-2015  
**Print date :** 28-05-2015

**Version (Revision) :** 2.0.0 (1.0.1)

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Bio Grill liquid ME (122000)  
Fatty Acids, Methylesters ; REACH registration No. : 01-2119491160-46 ; CAS No. : 308065-15-8

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

##### Relevant identified uses

Fuels. Consumer uses: Private households (= general public = consumers)

##### Uses advised against

This product should not be used for purposes other than the applications referred to above.

#### 1.3 Details of the supplier of the safety data sheet

##### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Fritz Schur Consumer Products A/S

**Street :** Esplanaden 40

**Postal code/city :** DK-1263 Copenhagen K

**Telephone :** +45 33 96 00 00

**Information contact :** Email: info@fscp.dk

#### 1.4 Emergency telephone number

Members of the public seeking specific information on poisons should contact: In England and Wales: NHS 111 - dial 111, in Scotland: NHS 24 - dial 111 Ireland +353 (0)1 8092566 or +353 (0)1 8379964 National Poisons Information Centre

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Acute 1 ; H400 - Hazardous to the aquatic environment : Category 1 ; Very toxic to aquatic life.

Aquatic Chronic 2 ; H411 - Hazardous to the aquatic environment : Category 2 ; Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

###### Hazard pictograms



Environment (GHS09)

###### Signal word

Warning

###### Hazard statements

H400

Very toxic to aquatic life.

H411

Toxic to aquatic life with long lasting effects.

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**FRITZ SCHUR**  
**CONSUMER PRODUCTS A/S**

**Trade name :** Bio Grill liquid  
**Revision date :** 26-05-2015  
**Print date :** 28-05-2015

**Version (Revision) :** 2.0.0 (1.0.1)

## Precautionary statements

P102 Keep out of reach of children.  
P273 Avoid release to the environment.  
P391 Collect spillage.  
P501 Dispose of contents/container in accordance with local regulations.

## 2.3 Other hazards

None

## 2.4 Additional information

Store frost-free. This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

**Substance name :** Fatty Acids, Methyleneesters

**REACH No. :** 01-2119491160-46

**CAS No. :** 308065-15-8

**Purity :** 100 % [mass]

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.

#### In case of inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician in any case!

#### In case of skin contact

Wash immediately with: Water and soap Change contaminated, saturated clothing. Wash contaminated clothing prior to re-use. In case of skin irritation, consult a physician.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Call a physician in any case! Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**FRITZ SCHUR**  
**CONSUMER PRODUCTS A/S**

**Trade name :** Bio Grill liquid  
**Revision date :** 26-05-2015  
**Print date :** 28-05-2015

**Version (Revision) :** 2.0.0 (1.0.1)

## Suitable extinguishing media

Foam Extinguishing powder Carbon dioxide (CO<sub>2</sub>)

## Unsuitable extinguishing media

Full water jet

## 5.2 Special hazards arising from the substance or mixture

### Hazardous combustion products

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO<sub>2</sub>)

## 5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

## 5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

##### Protective equipment

Avoid contact with skin, eyes and clothes. Use personal protection equipment.

##### Emergency procedures

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

### 6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Make sure spills can be contained, e.g. in sump pallets or kerbed areas. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

### 6.3 Methods and material for containment and cleaning up

#### For containment

Collect in closed and suitable containers for disposal. Treat the recovered material as prescribed in the section on waste disposal.

#### For cleaning up

Suitable material for taking up: Sand

### 6.4 Reference to other sections

See protective measures under point 7 and 8.

## SECTION 7: Handling and storage



### 7.1 Precautions for safe handling

#### Protective measures

##### Measures to prevent fire

Observe the usage / storage instructions. Avoid contact with eyes. Avoid contact with skin. Keep away from sources of ignition. - No smoking.

### 7.2 Conditions for safe storage, including any incompatibilities

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)



**FRITZ SCHUR**  
**CONSUMER PRODUCTS A/S**

**Trade name :** Bio Grill liquid  
**Revision date :** 26-05-2015  
**Print date :** 28-05-2015

**Version (Revision) :** 2.0.0 (1.0.1)

### Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place. Suitable container/equipment material: Stainless steel  
Aluminium

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### DNEL/DMEL and PNEC values

##### PNEC

Limit value type :	PNEC aquatic, freshwater ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Water
Limit value :	0,00079 mg/l
Limit value type :	PNEC aquatic, intermittent release ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Water
Limit value :	0,00255 mg/l
Limit value type :	PNEC aquatic, marine water ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Water
Limit value :	0,00008 mg/l
Limit value type :	PNEC sediment, freshwater ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Sediment
Limit value :	0,01055 mg/kg
Limit value type :	PNEC sediment, marine water ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Sediment
Limit value :	0,00105 mg/kg
Limit value type :	PNEC soil, freshwater ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Soil
Limit value :	10 mg/kg
Limit value type :	PNEC Secondary Poisoning ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Oral
Limit value :	66,6 mg/kg
Limit value type :	PNEC sewage treatment plant (STP) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Water (Including sewage plant)
Limit value :	100 mg/l

### 8.2 Exposure controls

#### Appropriate engineering controls

Use only in well-ventilated areas.

#### Personal protection equipment



#### Eye/face protection

##### Suitable eye protection

Eye glasses with side protection

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**FRITZ SCHUR**  
**CONSUMER PRODUCTS A/S**

**Trade name :** Bio Grill liquid  
**Revision date :** 26-05-2015  
**Print date :** 28-05-2015

**Version (Revision) :** 2.0.0 (1.0.1)

## Skin protection

### Hand protection



**Suitable gloves type :** The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

**Suitable material :** NBR (Nitrile rubber)

**Required properties :** liquid-tight.

**Remark :** DIN-/EN-Norms DIN EN 420 DIN EN 374

### Body protection

Protective clothing

**Remark :** Immediately remove any contaminated clothing, shoes or stockings. Wash contaminated clothing prior to re-use.

## Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Usually no personal respiratory protection necessary.

## General health and safety measures

Wash hands before breaks and after work.

## Environmental exposure controls

Disposal: see section 13

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance :** liquid

**Colour** colourless

**Odour** characteristic

### Safety relevant basis data

<b>Pourpoint :</b>	ca.	-6 °C
<b>Melting point/melting range :</b>		No data available
<b>Freezing point :</b> ( 1013 hPa )		No data available
<b>Boiling temperature/boiling range :</b> ( 1013 hPa )		260 - 300 °C
<b>Decomposition temperature :</b>		No data available
<b>Flash point :</b>		125 - 150 °C
<b>Ignition temperature :</b>		220 °C
<b>Lower explosion limit :</b>		No data available
<b>Upper explosion limit :</b>		No data available
<b>Vapour pressure :</b> ( 25 °C )	<	0,0055 hPa
<b>Evaporation rate (n-butylacetate = 1) :</b>		No data available
<b>Density :</b> ( 15 °C )		0,87 - 0,877 g/cm <sup>3</sup>
<b>Water solubility :</b> ( 20 °C )	<	60 g/l
<b>PH value :</b>		No data available
<b>log P O/W :</b>		
<b>Cinematic viscosity :</b> ( 40 °C )		2,4 - 2,7 mm <sup>2</sup> /s
<b>Relative vapour density :</b> ( 20 °C )		No data available

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**FRITZ SCHUR**  
**CONSUMER PRODUCTS A/S**

**Trade name :** Bio Grill liquid  
**Revision date :** 26-05-2015  
**Print date :** 28-05-2015

**Version (Revision) :** 2.0.0 (1.0.1)

**Flammable gases :** No data available.  
**Oxidising liquids :** Not oxidizing.  
**Explosive properties :** Not applicable.

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Oxidising agent alkali

### 10.2 Chemical stability

Stable under normal conditions of use

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

Keep away from sources of ignition. - No smoking.

### 10.5 Incompatible materials

Strong oxidizers alkali

### 10.6 Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

##### Acute oral toxicity

Parameter : LD50 ( Fatty Acids, Methyl esters ; CAS No. : 308065-15-8 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 2000 Mg/kg bw/day  
Methode : OECD 401

##### Acute inhalation toxicity

Parameter : LC50 ( Fatty Acids, Methyl esters ; CAS No. : 308065-15-8 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : > 5 mg/l  
Exposure time : 4 h  
Methode : OECD 436

#### Irritant and corrosive effects

##### Primary irritation to the skin

not applicable

##### Irritation to eyes

Parameter : Irritation to eyes ( Fatty Acids, Methyl esters ; CAS No. : 308065-15-8 )  
Species : Rabbit  
Effective dose : = 0 ml/kg  
Exposure time : 72 h  
Methode : OECD 405  
Not an irritant.

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)



**FRITZ SCHUR**  
**CONSUMER PRODUCTS A/S**

**Trade name :** Bio Grill liquid  
**Revision date :** 26-05-2015  
**Print date :** 28-05-2015

**Version (Revision) :** 2.0.0 (1.0.1)

### Irritation to respiratory tract

No data available

### Sensitisation

#### In case of skin contact

Parameter : Skin sensitisation ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Guinea pig  
Result : Not sensitising.  
Methode : OECD 406

### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

#### Carcinogenicity

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

#### Germ cell mutagenicity/Genotoxicity

No indications of human germ cell mutagenicity exist.

#### Reproductive toxicity

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

### Specific target organ toxicity (single exposure)

not applicable

### Specific target organ toxicity (repeated exposure)

not applicable

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter : LC50 ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Oryzias latipes (Ricefish)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : > 1 mg/l  
Exposure time : 96 h  
Methode : OECD 203

##### Acute (short-term) daphnia toxicity

Parameter : EC50 ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Acute (short-term) daphnia toxicity  
Effective dose : >= 0,255 mg/l  
Exposure time : 48 h  
Methode : OECD 202

##### Chronic (long-term) daphnia toxicity

Parameter : NOEC ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Chronic (long-term) daphnia toxicity  
Effective dose : = 0,0814 mg/l  
Exposure time : 21 day  
Methode : OECD 211

##### Acute (short-term) algae toxicity

Parameter : EC50 ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Pseudokirchneriella subcapitata

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)



**FRITZ SCHUR**  
**CONSUMER PRODUCTS A/S**

**Trade name :** Bio Grill liquid  
**Revision date :** 26-05-2015  
**Print date :** 28-05-2015

**Version (Revision) :** 2.0.0 (1.0.1)

Effective dose : > 0,324 mg/l  
Exposure time : 72 h  
Methode : OECD 201

### Bacteria toxicity

Parameter : Bacteria toxicity ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Bacteria toxicity  
Effective dose : >= 1000 mg/l  
Exposure time : 3 h  
Methode : OECD 209

### Terrestrial toxicity

#### Chronical earthworm toxicity (reproduction)

Parameter : NOEC ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Eisenia foetida  
Evaluation parameter : Chronical earthworm toxicity (reproduction)  
Effective concentration : = 1000 mg/kg  
Exposure time : 28 day  
Methode : OECD 222

## 12.2 Persistence and degradability

Readily biodegradable (according to OECD criteria).

### Abiotic degradation

#### Abiotic degradation in Air

Parameter : Half-life time ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Type : Photolysis  
29,2 h

### Biodegradation

Analytical method : Biodegradation ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Degradation rate : = 78 %  
Time : 28 day  
Evaluation : Biodegradable.  
Methode : OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F

## 12.3 Bioaccumulative potential

Parameter : Bioconcentration factor (BCF) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Result : 154,3 l/kg  
Parameter : Partition coefficient n-octanol /water (log P O/W) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Result : 5,41 - 6,41  
No indication of bioaccumulation potential.

## 12.4 Mobility in soil

No information available.

## 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

## 12.6 Other adverse effects

No data available

## 12.7 Further ecological information

None

## SECTION 13: Disposal considerations



# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)



**FRITZ SCHUR**  
**CONSUMER PRODUCTS A/S**

**Trade name :** Bio Grill liquid  
**Revision date :** 26-05-2015  
**Print date :** 28-05-2015

**Version (Revision) :** 2.0.0 (1.0.1)

### 13.1 Waste treatment methods

Contain and dispose of waste according to local regulations. Handle contaminated packages in the same way as the substance itself.

#### Product/Packaging disposal

##### Waste codes/waste designations according to EWC/AVV

Waste code : 15 01 02\* plastic packaging

Waste code : 15 01 10\* packaging containing residues of or contaminated by dangerous substances

Waste code : 13 07 03\* other fuels (including mixtures)

## SECTION 14: Transport information

### 14.1 UN number

UN 3082

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Fatty Acids, Methylesters )

#### Sea transport (IMDG)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Fatty Acids, Methylesters )

#### Air transport (ICAO-TI / IATA-DGR)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Fatty Acids, Methylesters )

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

ADR: Special provision 375: Substances of UN 3082 when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8

**Class(es) :** 9  
**Classification code :** M6  
**Hazard identification number (Kemler No.) :** 90  
**Tunnel restriction code :** E  
**Special provisions :** LQ 5 I · E 1  
**Hazard label(s) :** 9 / N

#### Sea transport (IMDG)

**Class(es) :** 9  
**EmS-No. :** F-A / S-F  
**Hazard label(s) :** 9 / N

#### Air transport (ICAO-TI / IATA-DGR)

**Class(es) :** 9  
**Hazard label(s) :** 9 / N

### 14.4 Packing group

III

### 14.5 Environmental hazards

**Land transport (ADR/RID) :** Yes

**Sea transport (IMDG) :** Yes (P)

**Air transport (ICAO-TI / IATA-DGR) :** Yes

### 14.6 Special precautions for user

None

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)



**FRITZ SCHUR**  
**CONSUMER PRODUCTS A/S**

**Trade name :** Bio Grill liquid  
**Revision date :** 26-05-2015  
**Print date :** 28-05-2015

**Version (Revision) :** 2.0.0 (1.0.1)

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

## SECTION 15: Regulatory information

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

#### EU legislation

##### Other regulations (EU)

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) The product is classified and labelled according to EC directives or corresponding national laws.

##### National regulations

##### Water hazard class (WGK)

slightly hazardous to water (WGK 1)

### 15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has been carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

02. Classification of the substance or mixture · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling (67/548/EEC or 1999/45/EC) · 03. Substances · 14. UN proper shipping name - Land transport (ADR/RID) · 14. UN proper shipping name - Sea transport (IMDG) · 14. UN proper shipping name - Air transport (ICAO-TI / IATA-DGR) · 14. Transport hazard class(es) - Land transport (ADR/RID) · 14. Transport hazard class(es) - Sea transport (IMDG) · 14. Transport hazard class(es) - Air transport (ICAO-TI / IATA-DGR)

### 16.2 Abbreviations and acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road ASTM = American Society of Testing and Materials (US) CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society) CMR = Carcinogenic, Mutagenic or Toxic for Reproduction DNEL = Derived No-Effect Level DMEL = Derived Minimal Effect Level DT50 = Time for 50% loss; half-life EbC50 = Median effective concentration (biomass, e.g. of algae) EC50 = Median effective concentration EINECS = European Inventory of Existing Commercial Chemical Substances ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide) ErC50 = Median effective concentration (growth rate, e.g. of algae) EWC = European Waste Catalogue IATA = International Air Transport Association IC50 = Concentration that produces 50% inhibition IMDG = International Maritime Dangerous Goods Code IMO = International Maritime Organization LC50 = Concentration required to kill 50% of test organisms LD50 = Dose required to kill 50% of test organisms LEL = Lower Explosive Limit/Lower Explosion Limit LOAEL = Lowest observed adverse effect level MRL = Maximum Residue Limit NOAEL = No Observed Adverse Effect Level NOEC = No observed effect concentration NOEL = No Observable Effect Level NVIC = Nationaal Vergiftigingen Informatiecentrum OECD = Organisation for Economic Cooperation and Development OEL = Occupational Exposure Limits PBT = Persistent, Bioaccumulative or Toxic PNEC = Previsible Non Effect Concentration REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals. STEL = Short-Term Exposure Limit TWA = Time-Weighted Average WGK = Wassergefährdungsklasse zPzB/vPvB= Very Persistent and Very Bioaccumulative

### 16.3 Key literature references and sources for data

None

### 16.4 Relevant R-, H- and EUH-phrases (Number and full text)

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**FRITZ SCHUR**  
**CONSUMER PRODUCTS A/S**

**Trade name :** Bio Grill liquid  
**Revision date :** 26-05-2015  
**Print date :** 28-05-2015

**Version (Revision) :** 2.0.0 (1.0.1)

---

H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
R50	Very toxic to aquatic organisms.

## 16.5 Training advice

None

## 16.6 Additional information

None

---

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

---